

chronological
viewing history



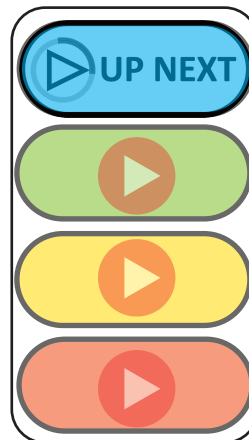
h videos

intervention



recommendation ranking

YouTube
SIDEBAR



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