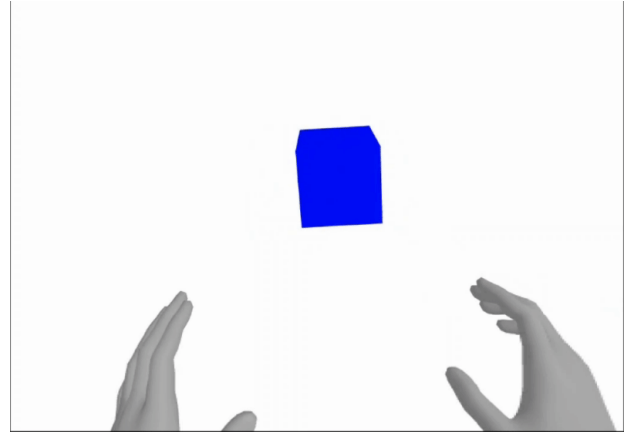


```
npm install three @react-three/fiber @react-three/xr@latest
```

What does it look like?

A simple scene with a mesh that toggles its material color between "red" and "blue" when clicked through touching or pointing.



```
import { Canvas } from '@react-three/fiber'
import { XR, createXRStore } from '@react-three/xr'
import { useState } from 'react'

const store = createXRStore()

export function App() {
  const [red, setRed] = useState(false)
  return <>
    <button onClick={() => store.enterAR()}>Enter AR</button>
    <Canvas>
      <XR store={store}>
        <mesh pointerEventsType={{ deny: 'grab' }} onClick={() =>
setRed(!red)} position={[0, 1, -1]}>
          <boxGeometry />
          <meshBasicMaterial color={red ? 'red' : 'blue'} />
        </mesh>
      </XR>
    </Canvas>
  </>
}
```

Turn any @react-three/fiber app into an XR experience

1. `const store = createXRStore()` create a xr store
2. `store.enterAR()` call enter AR when clicking on a button
3. `<XR>...</XR>` wrap your content with the XR component

... or read this guide for [converting a react-three/fiber app to XR](#).

Tutorials

- 🖱️ [Interactions](#)
- 🔧 [Options](#)
- 📦 [Object Detection](#)
- ✳️ [Origin](#)
- ✨ [Teleport](#)
- 🎮 [Custom Controller/Hands/...](#)
- 🛡️ [Guards](#)

Roadmap

- 🖐️ XR Gestures
- ⚓ Anchors
- 📺 Layers
- 📱 Dom Overlays
- 🚶 Tracked Body
- 🎯 Hit Test
- ⬆️ [react-three/controls](#)

Migration guides

- from [@react-three/xr v5](#)
- from [natuerlich](#)

Sponsors

This project is supported by a few companies and individuals building cutting-edge 3D Web & XR experiences. Check them out!



Volumetrics

Building for the spatial web has never been easier. Inspect, debug, and tweak code, directly from your headset.



Garbo Succus

Garbo Succus is the studio behind the Probability board game simulator.



Needle Tools

Needle Tools provides Tailor-Made Tools for Creators and have sponsored UIKit for vanilla threejs.



Cyango

Cyango allows its users to explore the power of XR, VR & AR with Storytelling.



Togga

Togga allows to optimize your legal practice in a infinite space.



aro.work

ARO.WORK combines spatial computing with multiple computer and multiple OS. All built on the open web!