



Universidad Politécnica de Madrid

React Native

Conceptos básicos

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Propiedades y componentes propios

```
import React from 'react';
import { Text, View } from 'react-native';
export default function MyText (props) {
  return (
    <Text style={{color: props.color,fontSize: 30}}>
      {props.value}!
    </Text>
  )
}

export default function App () {
  return (
    <View style={{alignItems: 'center'}}>
      <MyText color='blue' value='Hello World' />
      <MyText color='black' value= 'Goodbye World' />
    </View>
  )
}
```



```
import React from 'react';
import { useState } from 'react';
import { Text } from 'react-native';

export default function MyText (props) {

  const [color, setColor] = useState(props.initialColor);

  setTimeout(function(){
    setColor((color) => color === 'red' ? 'blue' : 'red');
  }, 1000);

  return (
    <Text style={{color: color, fontSize: 30}}>{props.value}!</Text>
  );
}
```

```
...
export default function App() {

  return (
    <View style={styles.container}>
      <Text>Open up App.js to start working on your app!</Text>
      <MyText initialColor='red' value='Pepe' />
      <MyText initialColor='blue' value='Luisa' />
      <StatusBar style="auto" />
    </View>
  );
}
```

Estado

```
import React from 'react';
import { useState } from 'react';
import { Text } from 'react-native';

export default function MyText (props) {

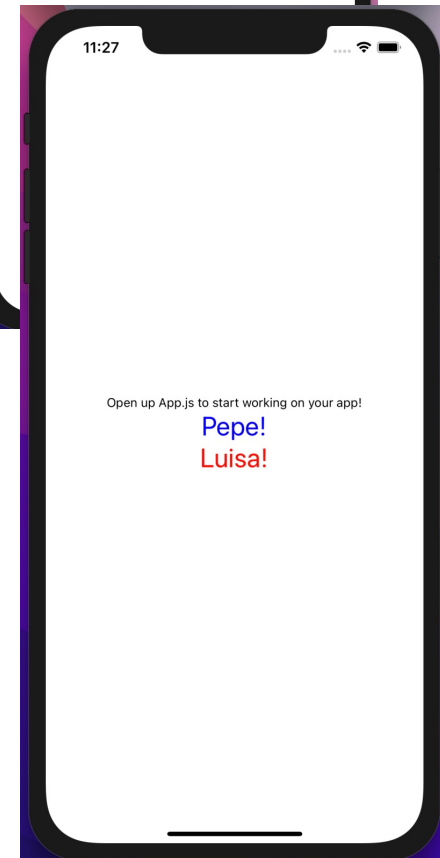
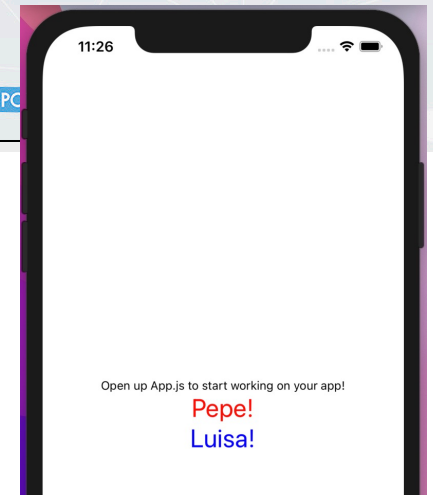
  const [color, setColor] = useState(props.initialColor);

  setTimeout(function(){
    setColor((color) => color === 'red' ? 'blue' : 'red');
  }, 1000);

  return (
    <Text style={{color: color, fontSize: 30}}>{props.value}</Text>
  );
}
```

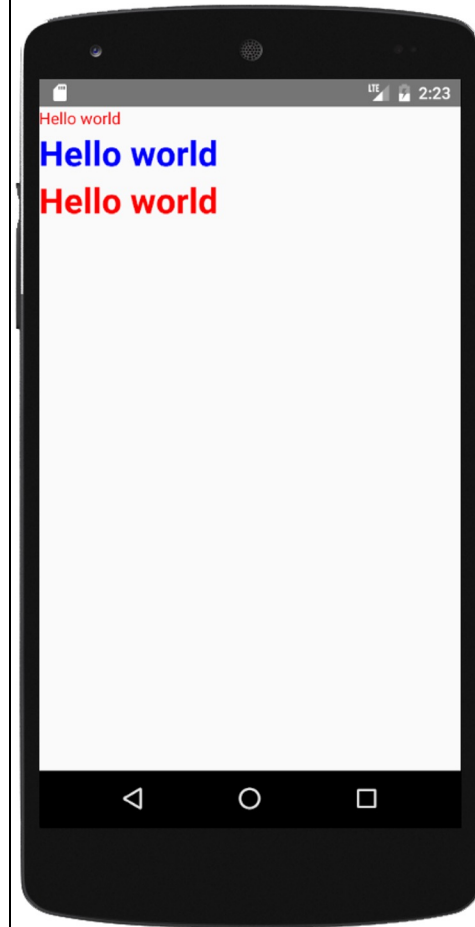
```
...
export default function App() {

  return (
    <View style={styles.container}>
      <Text>Open up App.js to start working on your app!</Text>
      <MyText initialColor='red' value='Pepe' />
      <MyText initialColor='blue' value='Luisa' />
      <StatusBar style="auto" />
    </View>
  );
}
```



```
import React from 'react';
import { StyleSheet, Text, View } from 'react-native';
export default function App () {
  return (
    <View>
      <Text style={styles.red}>Hello world</Text>
      <Text style={styles.bigblue}>Hello world</Text>
      <Text style={[styles.bigblue, styles.red]}>Hello world</Text>
    </View>
  )
}

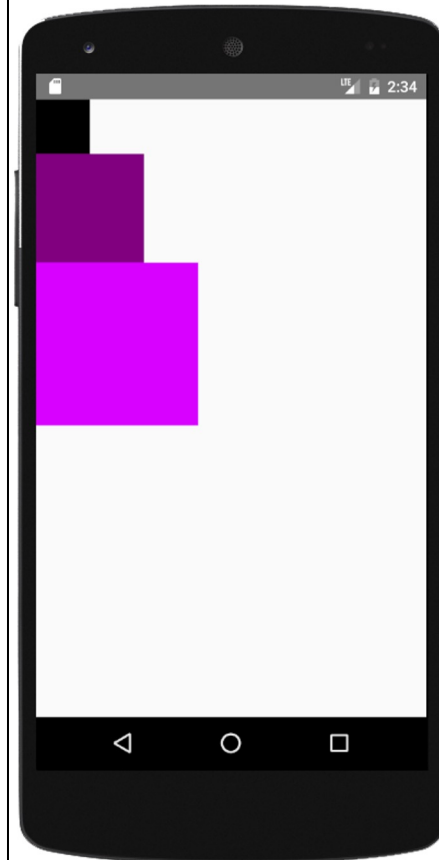
const styles = StyleSheet.create({
  red: {
    color: 'red',
  },
  bigblue: {
    color: 'blue',
    fontWeight: 'bold',
    fontSize: 30
  }
})
```



Dimensiones fijas

```
import React from 'react';
import { View } from 'react-native';

export default function App () {
  return (
    <View>
      <View style={{width: 50, height: 50, backgroundColor: 'rgb(0, 0, 0)}} />
      <View style={{width: 100, height: 100, backgroundColor: 'purple'}} />
      <View style={{width: 150, height: 150, backgroundColor: '#d800ff'}} />
    </View>
  )
}
```

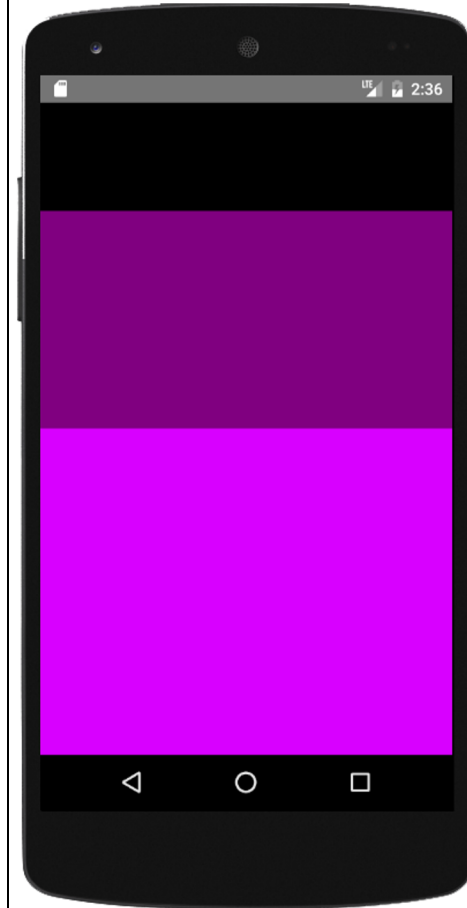


En React Native, todas las dimensiones representan *density independent pixels* (**dp/dip**)

Flexbox: dimensiones fluidas

```
import React from 'react';
import { View } from 'react-native';

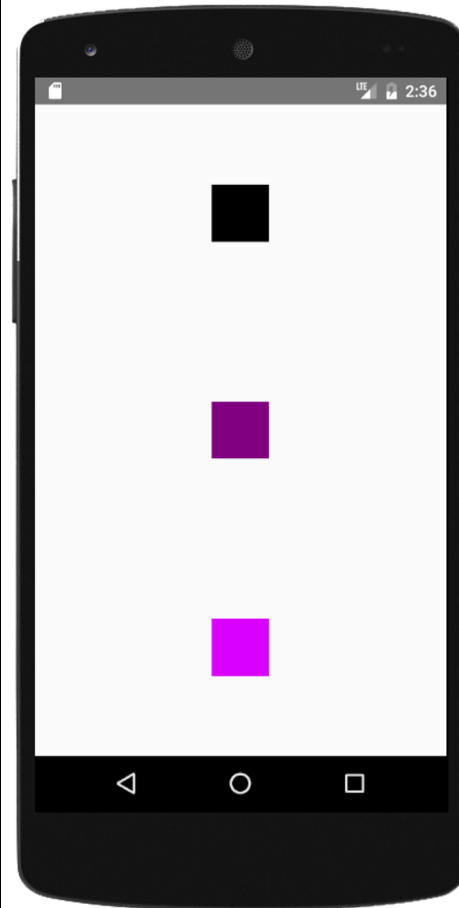
export default function App() {
  return (
    <View style={{flex: 1}}>
      <View style={{flex: 1, backgroundColor: 'rgb(0, 0, 0)}} />
      <View style={{flex: 2, backgroundColor: 'purple'}} />
      <View style={{flex: 3, backgroundColor: '#d800ff'}} />
    </View>
  )
}
```



Layout con Flexbox

```
import React from 'react';
import { View } from 'react-native';

export default function App () {
  return (
    <View style={{
      flex: 1,
      flexDirection: 'column',
      justifyContent: 'space-around',
      alignItems: 'center',
    }}>
      <View style={{width: 50, height: 50, backgroundColor: 'rgb(0, 0, 0)}} />
      <View style={{width: 50, height: 50, backgroundColor: 'purple'}} />
      <View style={{width: 50, height: 50, backgroundColor: '#d800ff'}} />
    </View>
  )
}
```





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