

# Converting Colors

Hex(2020D3)

Have a look what the booklet for  
Hex(2020D3) contains.

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# Color

Hex(2020D3)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2020D3
RGB	32, 32, 211
RGB Percent	13%, 13%, 83%
CMY	0.8745, 0.8745, 0.1725
CMYK	0.85, 0.85, 0.00, 0.17
HSL	240°, 74%, 48%
HSV	240°, 85%, 83%
XYZ	12.8700, 6.0432, 62.1162
YIQ	52.4060, -57.4590, 55.6690

# Conversions

## Conversions Part 2

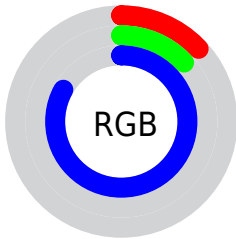
<b>Format</b>	<b>Color</b>
<b>RYB</b>	32, 32, 211
Decimal	2105555
CIELab	29.52, 60.54, -87.39
CIElCh	30, 106.311, 304.714
Yxy	6.0432, 0.1588, 0.0746
Android (android.graphics.Color)	4280295635 (0xFF2020D3)
YUV	52.4060, 78.1868, -17.8961
Hunter-Lab	24.5830, 50.4305, -132.6053

# Details

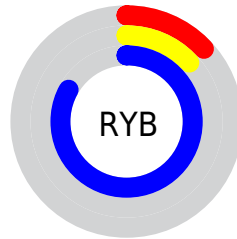
The Hex color **2020D3** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **D3D320**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **7353FF**, and **00009B** is the 20% darker color. If you saturate the color by 10%, you get **0B0BD3**, and if you desaturate by 10%, it is **3535D3**.

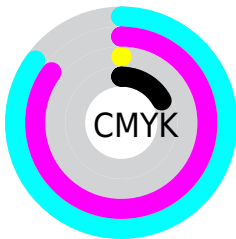
# Distribution



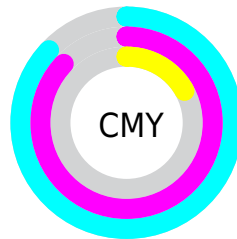
- Red (13%)
- Green (13%)
- Blue (83%)



- Red (13%)
- Yellow (13%)
- Blue (83%)



- Cyan (85%)
- Magenta (85%)
- Yellow (0%)
- Black (17%)



- Cyan (87%)
- Magenta (87%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2020D3 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 2020D3 by changing the saturation by 10% instead.



 2020D3

 2020D3

FFFFFF

 0002B6

 7353FF

 00009B

 946DFF

 000080

 B387FF

 000565

 D3A2FF

 00094C

 F2BEFF

 000535

 FFDAFF

 00021E

 FFF7FF

 000001

 000000

■ 2020D3

■ 2020D3

■ 0B0BD3

■ 3535D3

■ 0000D3

■ 4A4AD3

■ 5F5FD3

■ 7474D3

■ 8A8AD3

■ 9F9FD3

■ B4B4D3

■ C9C9D3

■ DEDED3

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0052F3



2020D3



A8008E

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2020D3



8A1900



005E52

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



2020D3



D3D320

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



005C00



2020D3



4B4800

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



2020D3



B60000



005700



0061A5

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



2020D3



C20058



005700



005D34



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



2020D3



BFBFFF



20D3D3



595980



000000



808080



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



2020D3



0000FF



7A20D3



5E5E69



0000A8



000029



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



D320D3



FF00FF



7AD320



695E69



A800A8

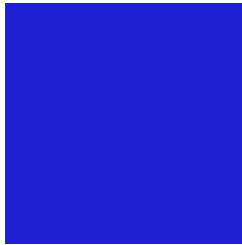


290029



# Previews

## White Background



This preview shows how the Hex color 2020D3 looks on a white background.

## Color Contrast Check

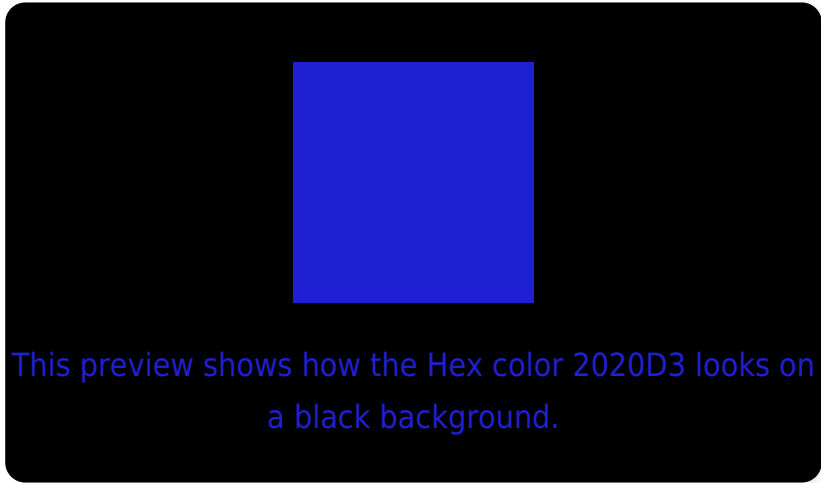
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

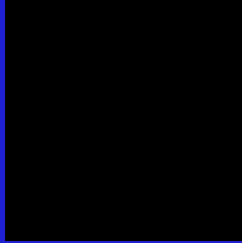
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2020D3 Background



This preview shows how black text looks on a background with the Hex color 2020D3.



This preview shows how white text looks on a background with the Hex color 2020D3.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



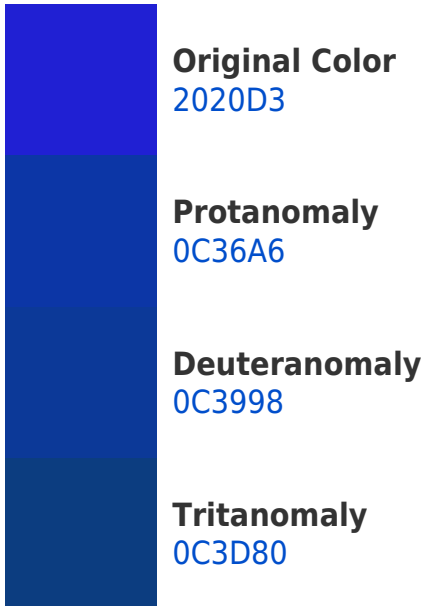
**Original Color**  
2020D3

**Protanopia**  
00438D

**Deuteranopia**  
004877



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2020D3 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #2020D3 looks like.

```
.text, #text, p{  
    color:#2020D3  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #2020D3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2020D3
}
```

## Border

The CSS property to change the border of an element to Hex 2020D3 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2020D3 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#2020D3 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #2020D3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2020D3; -webkit-box-shadow:4px 4px  
4px 4px #2020D3; box-shadow:4px 4px 4px  
4px #2020D3 }
```

# Background

The CSS property to change the background color of an element to Hex 2020D3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2020D3 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#2020D3 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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