

Converting Colors

RGB(50, 20, 227)

Have a look what the booklet for
RGB(50, 20, 227) contains.

RGB(50, 20, 227)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(50, 20, 227)

Conversions

Conversions Part 1

Format	Color
Hex	3214E3
RGB	50, 20, 227
RGB Percent	20%, 8%, 89%
CMY	0.8039, 0.9216, 0.1098
CMYK	0.78, 0.91, 0.00, 0.11
HSL	249°, 84%, 48%
HSV	249°, 91%, 89%
XYZ	15.4307, 6.7245, 73.1577
YIQ	52.5680, -48.5670, 70.7370

Conversions

Conversions Part 2

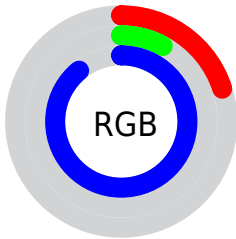
Format	Color
RYB	50, 20, 227
Decimal	3282147
CIELab	31.17, 69.44, -93.84
CIELCh	31, 116.739, 306.500
Yxy	6.7245, 0.1619, 0.0706
Android (android.graphics.Color)	4281472227 (0xFF3214E3)
YUV	52.5680, 85.9950, -2.2521
Hunter-Lab	25.9316, 60.8367, -149.1157

Details

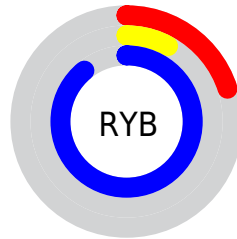
The RGB color **50, 20, 227** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **197, 227, 20**, and the grayscale version is **52, 52, 52**.

A 20% lighter version of the original color is **128, 78, 255**, and **0, 0, 170** is the 20% darker color. If you saturate the color by 10%, you get **33, 0, 227**, and if you desaturate by 10%, it is **69, 43, 227**.

Distribution



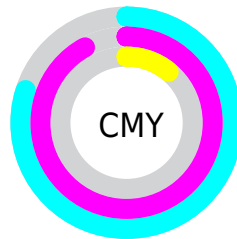
- Red (20%)
- Green (8%)
- Blue (89%)



- Red (20%)
- Yellow (8%)
- Blue (89%)



- Cyan (78%)
- Magenta (91%)
- Yellow (0%)
- Black (11%)






















- Cyan (80%)
- Magenta (92%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RGB color 50, 20, 227 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 RGB color 50, 20, 227 by changing the saturation by 10% instead.

 50, 20, 227	 50, 20, 227
 255, 255, 255	 0, 0, 198
 128, 78, 255	 0, 0, 170
 161, 104, 255	 0, 0, 142
 193, 131, 255	 0, 0, 115
 225, 159, 255	 0, 13, 90
 255, 187, 255	 0, 7, 65
 255, 215, 255	 0, 3, 42
 255, 245, 255	 0, 1, 20
	 0, 0, 0

■ 50, 20, 227

■ 50, 20, 227

■ 33, 0, 227

■ 69, 43, 227

■ 89, 65, 227

■ 108, 88, 227

■ 128, 111, 227

■ 147, 134, 227

■ 166, 156, 227

■ 186, 179, 227

■ 205, 202, 227

■ 225, 224, 227

Harmonies

Analogous

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



0, 87, 255



50, 20, 227



186, 0, 149

Triad

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



50, 20, 227



145, 27, 0



0, 100, 92

Complementary

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



50, 20, 227



197, 227, 20

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.



0, 97, 0



50, 20, 227



73, 78, 0

Square

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



50, 20, 227



195, 0, 0



0, 93, 0



0, 103, 184

Rectangle

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



50, 20, 227



212, 0, 89



0, 93, 0



0, 99, 60

Sweetspot

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



50, 20, 227



196, 186, 255



20, 199, 227



93, 87, 128



0, 0, 0



128, 128, 128

Same Dimension

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



50, 20, 227



37, 0, 255



151, 20, 227



105, 103, 115



26, 0, 179



7, 0, 51

Inverse Universe

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



227, 20, 197



255, 0, 218



96, 227, 20



115, 103, 113



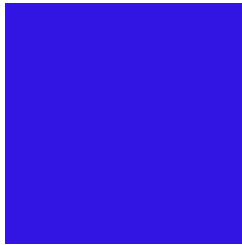
179, 0, 153



51, 0, 44

Previews

White Background



This preview shows how the RGB color 50, 20, 227 looks on a white background.

Color Contrast Check

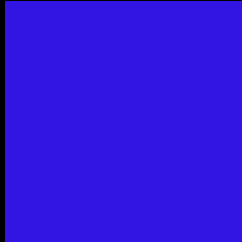
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RGB color 50, 20, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

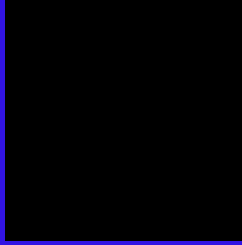
Any Text WCAG AA × Fail

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](#).

RGB 50, 20, 227 Background



This preview shows how black text looks on a background with the RGB color 50, 20, 227.



This preview shows how white text looks on a background with the RGB color 50, 20, 227.

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
50, 20, 227

Protanopia
0, 71, 149

Deuteranopia
0, 76, 126



Tritanopia
0, 82, 86

Trichromacy



Original Color
50, 20, 227

Protanomaly
18, 52, 177

Deuteranomaly
18, 56, 163

Tritanomaly
18, 59, 137

Monochromacy



Original Color
50, 20, 227

Achromatopsia
53, 53, 53

Achromatomaly
52, 41, 116

CSS Examples

Text

The CSS property to change the color of the text to RGB 50, 20, 227 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 `rgb(50, 20, 227)` looks like.

```
.text, #text, p{  
    color:rgb(50, 20, 227)  
}
```

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 rgb(50, 20, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 20, 227) }
```

Border

The CSS property to change the border of an element to RGB 50, 20, 227 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 rgb(50, 20, 227) }
```

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

```
.border{ border-color:rgb(50, 20, 227) }
```

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

Here you see how a box with a 4 pixel rgb(50, 20, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 20, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 20, 227);  
box-shadow:4px 4px 4px 4px rgb(50, 20,  
227) }
```

Background

The CSS property to change the background color of an element to RGB 50, 20, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 20, 227) }
```

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

```
.background{ background-color: rgb(50, 20,  
227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor