

Converting Colors

RGB(20, 50, 227)

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

RGB(20, 50, 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(20, 50, 227)

Conversions

Conversions Part 1

Format	Color
Hex	1432E3
RGB	20, 50, 227
RGB Percent	8%, 20%, 89%
CMY	0.9216, 0.8039, 0.1098
CMYK	0.91, 0.78, 0.00, 0.11
HSL	231°, 84%, 48%
HSV	231°, 91%, 89%
XYZ	15.2942, 7.9760, 73.4065
YIQ	61.2080, -74.6970, 48.6870

Conversions

Conversions Part 2

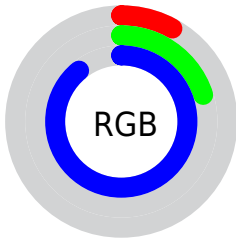
Format	Color
R _Y B	20, 46, 227
Decimal	1323747
CIE Lab	33.93, 56.73, -89.28
CIE LCh	34, 105.777, 302.432
Yxy	7.9760, 0.1582, 0.0825
Android (android.graphics.Color)	4279513827 (0xFF1432E3)
YUV	61.2080, 81.7355, -36.1394
Hunter-Lab	28.2418, 47.2429, -134.3383

Details

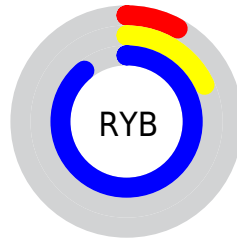
The RGB color **20, 50, 227** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **227, 197, 20**, and the grayscale version is **60, 60, 60**.

A 20% lighter version of the original color is **114, 99, 255**, and **0, 3, 170** is the 20% darker color. If you saturate the color by 10%, you get **0, 33, 227**, and if you desaturate by 10%, it is **43, 69, 227**.

Distribution



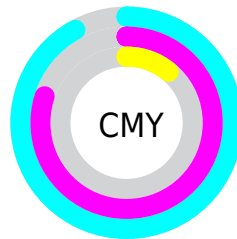
- Red (8%)
- Green (20%)
- Blue (89%)



- Red (8%)
- Yellow (18%)
- Blue (89%)



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





















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

Brightness & Saturation Gradients

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

 20, 50, 227	 20, 50, 227
 255, 255, 255	 0, 26, 198
 114, 99, 255	 0, 3, 170
 148, 125, 255	 0, 0, 142
 180, 151, 255	 0, 0, 116
 212, 178, 255	 0, 13, 90
 244, 206, 255	 0, 7, 65
 255, 235, 255	 0, 3, 42
	 0, 1, 21
	 0, 0, 0

■ 20, 50, 227

■ 20, 50, 227

■ 0, 33, 227

■ 43, 69, 227

■ 65, 89, 227

■ 88, 108, 227

■ 111, 128, 227

■ 134, 147, 227

■ 156, 166, 227

■ 179, 186, 227

■ 202, 205, 227

■ 224, 225, 227

Harmonies

Analogous

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



0, 94, 255



20, 50, 227



177, 0, 160

Triad

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



20, 50, 227



156, 31, 0



0, 106, 85

Complementary

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



20, 50, 227



227, 197, 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, 103, 0



20, 50, 227



92, 80, 0

Square

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



20, 50, 227



199, 0, 0



0, 97, 0



0, 108, 170

Rectangle

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



20, 50, 227



206, 0, 105



0, 97, 0



0, 105, 55

Sweetspot

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



20, 50, 227



186, 196, 255



20, 227, 196



87, 93, 128



0, 0, 0



128, 128, 128

Same Dimension

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



20, 50, 227



0, 37, 255



92, 20, 227



103, 105, 115



0, 26, 179



0, 7, 51

Inverse Universe

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



227, 20, 50



255, 0, 37



155, 227, 20



115, 103, 105



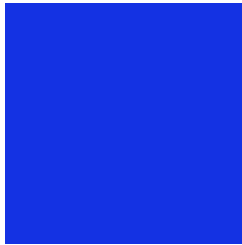
179, 0, 26



51, 0, 7

Previews

White Background



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

Color Contrast Check

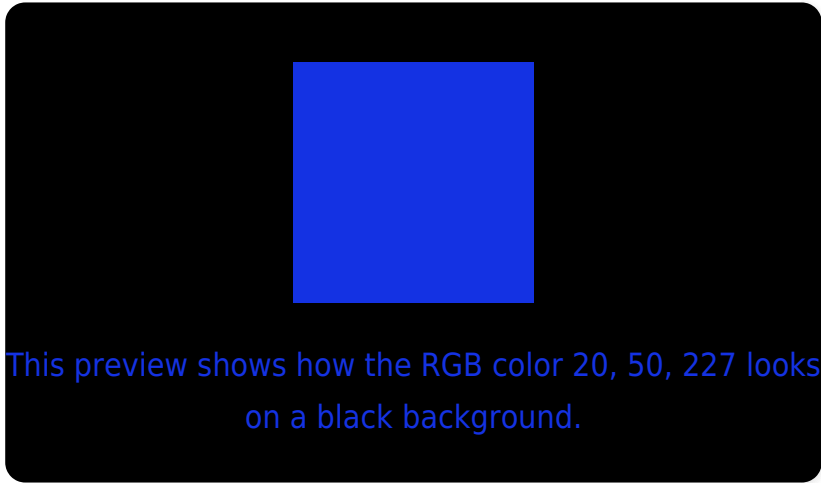
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

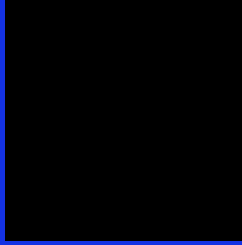
Any Text WCAG AA × Fail

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 20, 50, 227 Background



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



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


20, 50, 227

Protanopia

0, 76, 161

Deuteranopia

0, 82, 136



Tritanopia
0, 88, 92

Trichromacy



Original Color

20, 50, 227

Protanomaly

7, 67, 185

Deuteranomaly

7, 70, 169

Tritanomaly

7, 74, 141

Monochromacy



Original Color

20, 50, 227

Achromatopsia

61, 61, 61

Achromatomaly

46, 57, 121

CSS Examples

Text

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

```
.text, #text, p{  
    color:rgb(20, 50, 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(20, 50, 227) colored shadow looks like.

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

Border

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

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

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

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

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

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

Background

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

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

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

```
.background{ background-color: rgb(20, 50,  
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](#).

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