

Converting Colors

`RYB(16, 20, 251)`

Have a look what the booklet for
RYB(16, 20, 251) contains.

RYB(16, 20, 251)	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

R_YB(16, 20, 251)

Conversions

Conversions Part 1

Format	Color
Hex	1014FB
RGB	16, 20, 251
RGB Percent	6%, 8%, 98%
CMY	0.9373, 0.9213, 0.0157
CMYK	0.94, 0.92, 0.00, 0.02
HSL	239°, 97%, 52%
HSV	239°, 94%, 98%
XYZ	17.8777, 7.5780, 91.7872
YIQ	45.1380, -76.5350, 70.9930

Conversions

Conversions Part 2

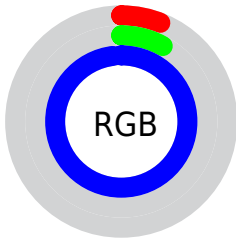
Format	Color
R _Y B	16, 20, 251
Decimal	1053947
CIE Lab	33.09, 74.89, -104.30
CIE LCh	33, 128.401, 305.681
Yxy	7.5780, 0.1525, 0.0646
Android (android.graphics.Color)	4279244027 (0xFF1014FB)
YUV	45.1380, 101.4900, -25.5540
Hunter-Lab	27.5281, 67.7497, -178.4217

Details

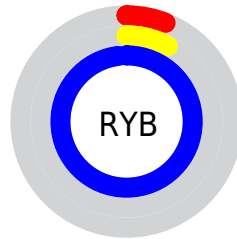
The RYB color **16, 20, 251** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **20, 251, 16**, and the grayscale version is **44, 44, 44**.

A 20% lighter version of the original color is **122, 79, 255**, and **0, 0, 193** is the 20% darker color. If you saturate the color by 10%, you get **0, 4, 251**, and if you desaturate by 10%, it is **41, 45, 251**.

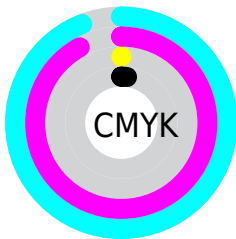
Distribution



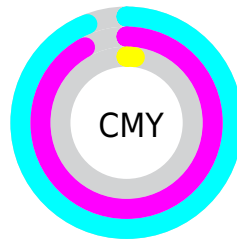
- Red (6%)
- Green (8%)
- Blue (98%)



- Red (6%)
- Yellow (8%)
- Blue (98%)



- Cyan (94%)
- Magenta (92%)
- Yellow (0%)
- Black (2%)






















- Cyan (94%)
- Magenta (92%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 16, 20, 251 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 RYB color 16, 20, 251 by changing the saturation by 10% instead.

 16, 20, 251	 16, 20, 251
 255, 255, 255	 0, 0, 221
 122, 79, 255	 0, 0, 193
 157, 106, 255	 0, 0, 164
 191, 133, 255	 0, 0, 137
 224, 161, 255	 0, 15, 110
 255, 189, 255	 0, 11, 85
 255, 218, 255	 0, 5, 60
 255, 247, 255	 0, 2, 38
	 0, 1, 14

■ 16, 20, 251

■ 16, 20, 251

■ 0, 4, 251

■ 41, 45, 251

■ 66, 69, 251

■ 91, 94, 251

■ 116, 119, 251

■ 142, 143, 251

■ 167, 168, 251

■ 192, 193, 251

■ 217, 217, 251

■ 242, 242, 251

Harmonies

Analogous

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



0, 69, 255



16, 20, 251



201, 0, 164

Triad

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



16, 20, 251



157, 20, 0



0, 56, 106

Complementary

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



16, 20, 251



20, 251, 16

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, 103



16, 20, 251



0, 82, 3

Square

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



16, 20, 251



212, 0, 0



0, 98, 98



0, 71, 199

Rectangle

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



16, 20, 251



230, 0, 98



0, 98, 98



0, 67, 105

Sweetspot

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



16, 20, 251



184, 185, 255



16, 136, 251



84, 85, 128



0, 0, 0



128, 128, 128

Same Dimension

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



16, 20, 251



0, 4, 255



126, 16, 251



112, 113, 125



0, 3, 189



0, 1, 61

Inverse Universe

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



251, 16, 20



255, 0, 4



16, 251, 126



125, 112, 113



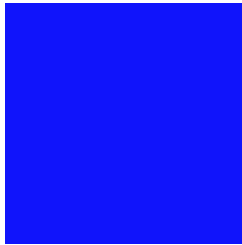
189, 0, 3



61, 0, 1

Previews

White Background



This preview shows how the RYB color 16, 20, 251 looks on a white background.

Color Contrast Check

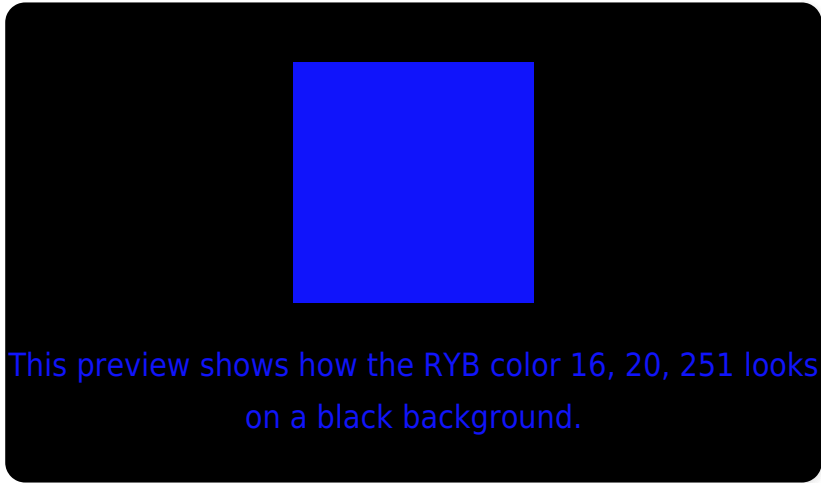
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

RYP 16, 20, 251 Background



This preview shows how black text looks on a background with the RYP color 16, 20, 251.



This preview shows how white text looks on a background with the RYP color 16, 20, 251.

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


16, 20, 251

Protanopia

0, 51, 157

Deuteranopia

0, 50, 133



Tritanopia
0, 44, 90

Trichromacy



Original Color

16, 20, 251

Protanomaly

6, 45, 191

Deuteranomaly

6, 46, 176

Tritanomaly

6, 46, 149

Monochromacy



Original Color

16, 20, 251

Achromatopsia

45, 45, 45

Achromatomaly

34, 36, 120

CSS Examples

Text

The CSS property to change the color of the text to RYB 16, 20, 251 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(16, 20, 251)` looks like.

```
.text, #text, p{  
    color:rgb(16, 20, 251)  
}
```

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(16, 20, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 20, 251) }
```

Border

The CSS property to change the border of an element to RYB 16, 20, 251 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(16, 20, 251) }
```

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

```
.border{ border-color:rgb(16, 20, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 20, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 20, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 20, 251);  
box-shadow:4px 4px 4px 4px rgb(16, 20,  
251) }
```

Background

The CSS property to change the background color of an element to RYB 16, 20, 251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 20, 251) }
```

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

```
.background{ background-color: rgb(16, 20,  
251) }
```

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