

Converting Colors

RGB(13, 112, 242)

Have a look what the booklet for
RGB(13, 112, 242) contains.

RGB(13, 112, 242)	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(13, 112, 242)

Conversions

Conversions Part 1

Format	Color
Hex	0D70F2
RGB	13, 112, 242
RGB Percent	5%, 44%, 95%
CMY	0.9490, 0.5608, 0.0510
CMYK	0.95, 0.54, 0.00, 0.05
HSL	214°, 90%, 50%
HSV	214°, 95%, 95%
XYZ	21.9872, 18.0847, 86.3363
YIQ	97.2190, -100.7340, 19.4420

Conversions

Conversions Part 2

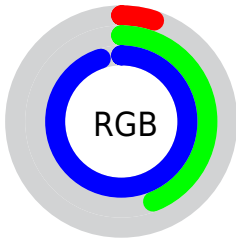
Format	Color
R_{YB}	13, 82, 242
Decimal	880882
CIE _{Lab}	49.60, 24.18, -72.01
CIE _{LCh}	50, 75.965, 288.562
Yxy	18.0847, 0.1739, 0.1431
Android (android.graphics.Color)	4279070962 (0xFF0D70F2)
YUV	97.2190, 71.3770, -73.8601
Hunter-Lab	42.5261, 17.8686, -90.6019

Details

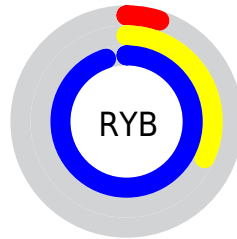
The RGB color **13, 112, 242** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **242, 143, 13**, and the grayscale version is **97, 97, 97**.

A 20% lighter version of the original color is **112, 163, 255**, and **0, 66, 185** is the 20% darker color. If you saturate the color by 10%, you get **0, 105, 242**, and if you desaturate by 10%, it is **37, 126, 242**.

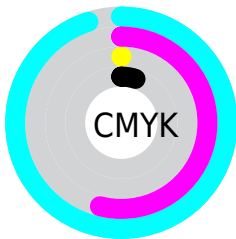
Distribution



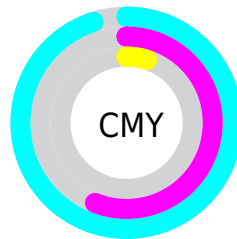
- Red (5%)
- Green (44%)
- Blue (95%)



- Red (5%)
- Yellow (32%)
- Blue (95%)



- Cyan (95%)
- Magenta (54%)
- Yellow (0%)
- Black (5%)




















- Cyan (95%)
- Magenta (56%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RGB color 13, 112, 242 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 13, 112, 242 by changing the saturation by 10% instead.

 13, 112, 242	 13, 112, 242
 255, 255, 255	 0, 88, 213
 112, 163, 255	 0, 66, 185
 145, 190, 255	 0, 45, 157
 177, 217, 255	 0, 27, 130
 209, 246, 255	 0, 1, 104
 241, 255, 255	 0, 10, 79
	 0, 5, 55
	 0, 2, 33
	 0, 0, 6

■ 13, 112, 242

■ 13, 112, 242

■ 0, 105, 242

■ 37, 126, 242

■ 61, 139, 242

■ 86, 153, 242

■ 110, 167, 242

■ 134, 181, 242

■ 158, 194, 242

■ 182, 208, 242

■ 207, 222, 242

■ 231, 236, 242

Harmonies

Analogous

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



0, 133, 246



13, 112, 242



168, 77, 204

Triad

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



13, 112, 242



206, 74, 14



0, 144, 90

Complementary

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



13, 112, 242



242, 143, 13

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, 138, 12



13, 112, 242



164, 106, 0

Square

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



13, 112, 242



228, 32, 81



106, 127, 0



0, 145, 157

Rectangle

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



13, 112, 242



206, 48, 167



106, 127, 0



0, 142, 67

Sweetspot

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



13, 112, 242



184, 214, 255



13, 242, 143



84, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



13, 112, 242



0, 110, 255



28, 13, 242



108, 113, 120



0, 79, 184



0, 24, 56

Inverse Universe

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



242, 13, 112



255, 0, 110



227, 242, 13



120, 108, 113



184, 0, 79



56, 0, 24

Previews

White Background



This preview shows how the RGB color 13, 112, 242 looks on a white background.

Color Contrast Check

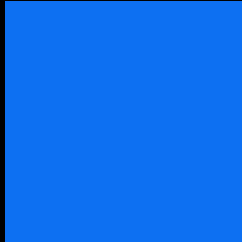
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 13, 112, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

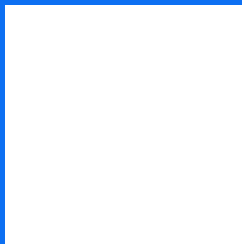
Any Text WCAG AAA × Fail

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

RGB 13, 112, 242 Background



This preview shows how black text looks on a background with the RGB color 13, 112, 242.



This preview shows how white text looks on a background with the RGB color 13, 112, 242.

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

13, 112, 242

Protanopia

0, 113, 240

Deuteranopia

0, 120, 207



Tritanopia
0, 130, 138

Trichromacy



Original Color

13, 112, 242

Protanomaly

5, 113, 241

Deuteranomaly

5, 117, 220

Tritanomaly

5, 123, 176

Monochromacy



Original Color

13, 112, 242

Achromatopsia

97, 97, 97

Achromatomaly

66, 102, 150

CSS Examples

Text

The CSS property to change the color of the text to RGB 13, 112, 242 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(13, 112, 242)` looks like.

```
.text, #text, p{  
    color:rgb(13, 112, 242)  
}
```

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(13, 112, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 112, 242) }
```

Border

The CSS property to change the border of an element to RGB 13, 112, 242 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(13, 112, 242) }
```

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

```
.border{ border-color:rgb(13, 112, 242) }
```

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

Here you see how a box with a 4 pixel rgb(13, 112, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 112, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 112, 242);  
box-shadow:4px 4px 4px 4px rgb(13, 112,  
242) }
```

Background

The CSS property to change the background color of an element to RGB 13, 112, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 112, 242) }
```

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

```
.background{ background-color: rgb(13, 112,  
242) }
```

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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