

Converting Colors

XYZ(18.4440, 11.1846, 85.3881)

Have a look what the booklet for
XYZ(18.4440, 11.1846, 85.3881)
contains.

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Color

**XYZ(18.4096, 11.1759,
85.1913)**

Conversions

Conversions Part 1

Format	Color
Hex	0049F2
RGB	0, 73, 242
RGB Percent	0%, 29%, 95%
CMY	0.9997, 0.7137, 0.0510
CMYK	1.00, 0.70, 0.00, 0.05
HSL	222°, 100%, 47%
HSV	222°, 100%, 95%
XYZ	18.4096, 11.1759, 85.1913
YIQ	70.4390, -97.7570, 37.0830

Conversions

Conversions Part 2

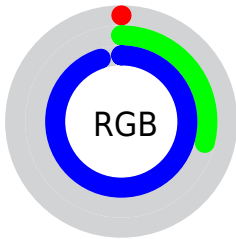
Format	Color
R _Y B	0, 56, 242
Decimal	18930
CIE Lab	39.88, 48.45, -87.96
CIE LCh	40, 100.419, 298.849
Yxy	11.1759, 0.1604, 0.0974
Android (android.graphics.Color)	4278209010 (0xFF0049F2)
YUV	70.4390, 84.5796, -61.7750
Hunter-Lab	33.4304, 39.7941, -127.6886

Details

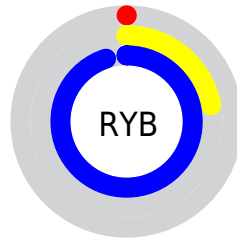
The XYZ color **18.4096, 11.1759, 85.1913** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **50.8204, 47.2812, 6.4497**, and the grayscale version is **5.7733, 6.0740, 6.6146**.

A 20% lighter version of the original color is **31.8196, 24.6498, 97.6885**, and **9.1160, 4.3892, 45.7141** is the 20% darker color. If you saturate the color by 10%, you get **18.4062, 11.1690, 85.1905**, and if you desaturate by 10%, it is **20.0582, 13.9043, 85.6314**.

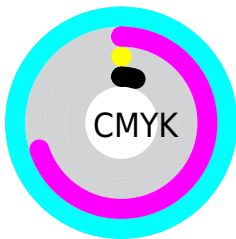
Distribution



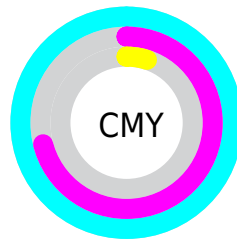
- Red (0%)
- Green (29%)
- Blue (95%)



- Red (0%)
- Yellow (22%)
- Blue (95%)



- Cyan (100%)
- Magenta (70%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (71%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4096, 11.1759, 85.1913 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 XYZ color 18.4096, 11.1759, 85.1913 by changing the saturation by 10% instead.

■ 18.4096, 11.1759,
85.1913

■ 18.4096, 11.1759,
85.1913

236.1709,
198.8704, 532.4219

■ 11.3459, 6.1853,
63.4484

■ 40.2587, 27.9850,
142.5170

■ 6.3690, 2.9581,
45.7607

■ 55.7748, 40.5722,
178.9368

■ 3.1135, 1.1099,
31.7097

■ 74.8391, 56.4605,
221.0860

■ 1.2141, 0.0000,
20.8769

■ 97.8170, 76.0341,
269.3832

■ 0.1174, 0.0000,
12.8437

■ 125.0737, 99.6775,
324.2468

■ 0.0000, 0.0000,
7.1915

156.9747,

■ 0.0000, 0.0000,

127.7751, 386.0955

3.5019

193.8853,
160.7113, 455.3477

■ 0.0000, 0.0000,
1.3563

■ 0.0000, 0.0000,
0.1073

■ 18.4096, 11.1759,
85.1913

■ 18.4096, 11.1759,
85.1913

■ 18.4062, 11.1690,
85.1905

■ 20.0582, 13.9043,
85.6314

■ 22.5061, 17.5262,
86.2015

■ 25.9217, 22.1581,
86.9155

■ 30.4120, 27.8827,
87.7838

■ 36.0681, 34.7726,
88.8156

■ 42.9713, 42.8936,
90.0193

■ 51.1946, 52.3059,
91.4026

■ 60.8056, 63.0657,
92.9729

■ 71.8668, 75.2255,
94.7370

Harmonies

Analogous

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



10.3577, 11.1759, 103.6371



18.4096, 11.1759, 85.1913



26.5336, 11.1759, 44.3754

Triad

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



18.4096, 11.1759, 85.1913



19.0847, 11.1759, 0.0000



2.1063, 11.1759, 11.4201

Complementary

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



18.4096, 11.1759, 85.1913



50.8204, 47.2812, 6.4497

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.



2.8262, 11.1759, 1.1905



18.4096, 11.1759, 85.1913



10.8915, 11.1759, 0.0000

Square

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



18.4096, 11.1759, 85.1913



27.0280, 11.1759, 1.4943



5.4146, 11.1759, 0.0000



2.7172, 11.1759, 41.3118

Rectangle

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



18.4096, 11.1759, 85.1913



29.7185, 11.1759, 21.1112



5.4146, 11.1759, 0.0000



2.1918, 11.1759, 6.1932

Sweetspot

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



18.4104, 11.1761, 85.1917



57.5424, 58.7790, 102.9204



38.5802, 66.2359, 46.5350



11.4400, 11.5845, 21.8830



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



18.4104, 11.1761, 85.1917



20.6945, 12.5090, 95.9315



17.0849, 6.9573, 84.4472



15.2857, 16.0055, 20.0053



9.9924, 6.2091, 45.7997



0.9153, 0.6846, 3.8381

Inverse Universe

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



37.8214, 19.3599, 8.0463



42.5748, 21.7939, 8.9591



54.9484, 75.4626, 11.6717



15.9689, 15.8373, 17.3924



20.3693, 10.4202, 4.5955



1.7370, 0.8838, 0.6057

Previews

White Background



This preview shows how the XYZ color 18.4096, 11.1759, 85.1913 looks on a white background.

Color Contrast Check

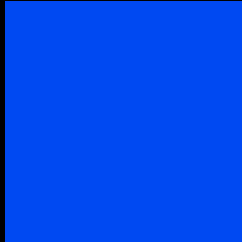
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.4096, 11.1759, 85.1913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

XYZ 18.4096, 11.1759, 85.1913

Background



This preview shows how black text looks on a background with the XYZ color 18.4096, 11.1759, 85.1913.



This preview shows how white text looks on a background with the XYZ color 18.4096, 11.1759,

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

18.4096, 11.1759, 85.1913

Protanopia

12.9504, 11.0300, 50.1616

Deuteranopia

10.7045, 10.9744, 35.7365



Tritanopia

7.7106, 11.0048, 16.1857

Trichromacy



Original Color

18.4096, 11.1759, 85.1913

Protanomaly

14.6789, 10.9441, 61.6604

Deuteranomaly

12.8937, 10.7410, 50.6839

Tritanomaly

10.0002, 10.2630, 33.3522

Monochromacy



Original Color

18.4096, 11.1759, 85.1913

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

7.5691, 6.7578, 23.0958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4096, 11.1759, 85.1913 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(0, 73, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 73, 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(0, 73, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 73, 242) }
```

Border

The CSS property to change the border of an element to XYZ 18.4096, 11.1759, 85.1913 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(0, 73, 242) }
```


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

```
.border{ border-color:rgb(0, 73, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 73, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 73, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 73, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 73, 242)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.4096, 11.1759, 85.1913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 73, 242) }
```

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

```
.background{ background-color: rgb(0, 73,  
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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