

Converting Colors

XYZ(5.3156, 4.7398, 81.1715)

Have a look what the booklet for
XYZ(5.3156, 4.7398, 81.1715)
contains.

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Color

**XYZ(17.9487, 11.2052,
82.1057)**

Conversions

Conversions Part 1	
Format	Color
Hex	004BEE
RGB	0, 75, 238
RGB Percent	0%, 29%, 93%
CMY	0.9997, 0.7059, 0.0667
CMYK	1.00, 0.68, 0.00, 0.07
HSL	221°, 100%, 47%
HSV	221°, 100%, 93%
XYZ	17.9487, 11.2052, 82.1057
YIQ	71.1570, -97.0230, 34.7930

Conversions

Conversions Part 2

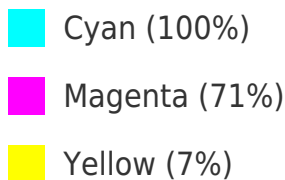
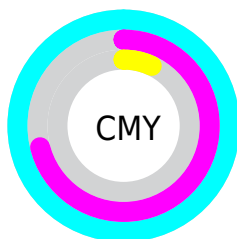
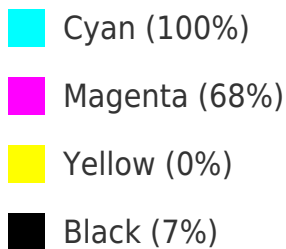
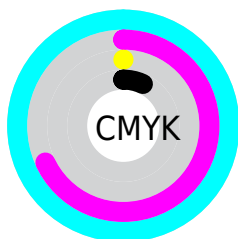
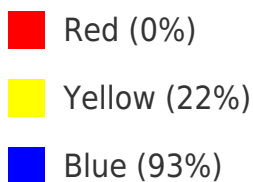
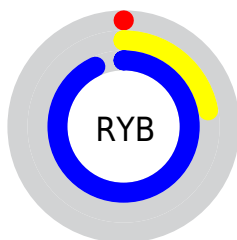
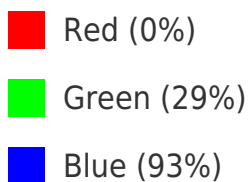
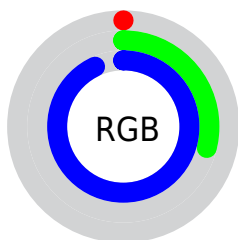
Format	Color
RYB	0, 57, 238
Decimal	19438
CIELab	39.92, 45.81, -85.62
CIELCh	40, 97.103, 298.147
Yxy	11.2052, 0.1613, 0.1007
Android (android.graphics.Color)	4278209518 (0xFF004BEE)
YUV	71.1570, 82.2536, -62.4047
Hunter-Lab	33.4742, 37.1311, -121.9951

Details

The XYZ color **17.9487, 11.2052, 82.1057** 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 **48.3699, 44.3963, 6.0219**, and the grayscale version is **5.8963, 6.2034, 6.7555**.

A 20% lighter version of the original color is **31.8132, 25.0148, 97.7593**, and **8.8570, 4.3692, 44.0926** is the 20% darker color. If you saturate the color by 10%, you get **17.9455, 11.1987, 82.1050**, and if you desaturate by 10%, it is **19.5732, 13.8997, 82.5405**.


Distribution




Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9487, 11.2052, 82.1057 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 17.9487, 11.2052, 82.1057 by changing the saturation by 10% instead.


 17.9487, 11.2052,
82.1057


 17.9487, 11.2052,
82.1057


233.6329,
199.0700, 521.8939


 11.0126, 6.2050,
60.9163

 39.4807, 28.0390,
138.1602


 6.1427, 2.9701,
43.7275


 54.8073, 40.6414,
173.8625

 2.9735, 1.1162,
30.1207


 73.6614, 56.5467,
215.2395

 1.1398, 0.0000,
19.6774

 96.4085, 76.1392,
262.7097

 0.0580, 0.0000,
11.9790

 123.4138, 99.8035,
316.6917

 0.0000, 0.0000,
6.6070

155.0427,

 0.0000, 0.0000,

127.9237, 377.6040

3.1429

191.6607,
160.8844, 445.8653

0.0000, 0.0000,
1.1681

0.0000, 0.0000,
0.0000

17.9487, 11.2052,
82.1057

17.9487, 11.2052,
82.1057

17.9455, 11.1987,
82.1050

19.5732, 13.8997,
82.5405

21.9572, 17.4359,
83.0974

25.2622, 21.9237,
83.7895

29.5896, 27.4400,
84.6262

■ 35.0258, 34.0522,
85.6159

■ 41.6477, 41.8216,
86.7666

■ 49.5247, 50.8042,
88.0852

■ 58.7206, 61.0522,
89.5786

■ 69.2948, 72.6146,
91.2530

Harmonies

Analogous

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



10.2395, 11.2052, 98.5672



17.9487, 11.2052, 82.1057



25.7501, 11.2052, 43.8238

Triad

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



17.9487, 11.2052, 82.1057



18.9889, 11.2052, 0.0000



2.2704, 11.2052, 11.0471

Complementary

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



17.9487, 11.2052, 82.1057



48.3699, 44.3963, 6.0219

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.



3.0318, 11.2052, 1.2548



17.9487, 11.2052, 82.1057



11.0718, 11.2052, 0.0000

Square

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



17.9487, 11.2052, 82.1057



26.5070, 11.2052, 1.7647



5.6593, 11.2052, 0.0000



2.8553, 11.2052, 39.1584

Rectangle

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



17.9487, 11.2052, 82.1057



28.8651, 11.2052, 21.4458



5.6593, 11.2052, 0.0000



2.3673, 11.2052, 6.0875

Sweetspot

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



17.9494, 11.2054, 82.1061



57.7847, 59.2635, 103.0012



37.1554, 63.7817, 44.8412



11.4963, 11.6971, 21.9018



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.



17.9494, 11.2054, 82.1061



20.9411, 13.0022, 96.0137



16.4587, 6.7031, 81.3156



15.3035, 16.0410, 20.0113



10.1139, 6.4520, 45.8402



0.9272, 0.7084, 3.8421

Inverse Universe

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



36.5307, 18.6866, 8.3377



42.6993, 21.8437, 9.6146



52.9206, 72.6690, 11.2392



15.9779, 15.8409, 17.4396



20.4306, 10.4447, 4.9183



1.7430, 0.8862, 0.6373

Previews

White Background



This preview shows how the XYZ color 17.9487, 11.2052, 82.1057 looks on a white background.

Color Contrast Check

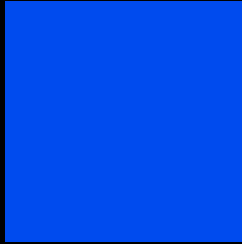
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9487, 11.2052, 82.1057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

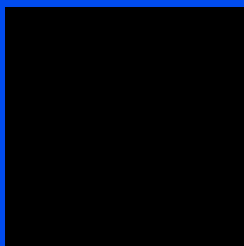
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.9487, 11.2052, 82.1057

Background



This preview shows how black text looks on a background with the XYZ color 17.9487, 11.2052, 82.1057.



This preview shows how white text looks on a background with the XYZ color 17.9487, 11.2052,

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

17.9487, 11.2052, 82.1057

Protanopia

12.9504, 11.0300, 50.1616

Tritanopia

7.7106, 11.0048, 16.1857

Trichromacy



Original Color
17.9487, 11.2052, 82.1057

Protanomaly
14.5110, 11.0020, 60.3903

Tritanomaly
9.9151, 10.2290, 32.9043

Monochromacy



Original Color
17.9487, 11.2052, 82.1057

Achromatopsia
5.9891, 6.3010, 6.8618

Achromatomaly
7.5644, 6.8586, 22.7549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9487, 11.2052, 82.1057 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, 75, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 75, 238)  
}
```

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, 75, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 75, 238) }
```

Border

The CSS property to change the border of an element to XYZ 17.9487, 11.2052, 82.1057 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, 75, 238) }
```

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

```
.border{ border-color:rgb(0, 75, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 75, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 75, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 75, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 75, 238)  
}
```


Background

The CSS property to change the background color of an element to XYZ 17.9487, 11.2052, 82.1057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 75, 238) }
```

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

```
.background{ background-color: rgb(0, 75,  
238) }
```

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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