

Converting Colors

XYZ(16.8345, 6.7747, 88.5228)

Have a look what the booklet for
XYZ(16.8345, 6.7747, 88.5228)
contains.

XYZ(16.8102, 6.7588, 88.4143)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.8102, 6.7588,
88.4143)**

Conversions

Conversions Part 1

Format	Color
Hex	0002F7
RGB	0, 2, 247
RGB Percent	0%, 1%, 97%
CMY	0.9997, 0.9923, 0.0314
CMYK	1.00, 0.99, 0.00, 0.03
HSL	240°, 100%, 48%
HSV	240°, 100%, 97%
XYZ	16.8102, 6.7588, 88.4143
YIQ	29.3320, -79.8370, 75.7710

Conversions

Conversions Part 2

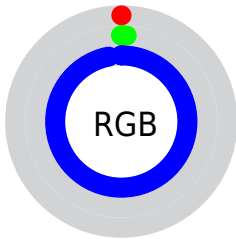
Format	Color
R _Y B	0, 2, 247
Decimal	759
CIE Lab	31.25, 76.99, -105.12
CIE LCh	31, 130.299, 306.219
Yxy	6.7588, 0.1501, 0.0604
Android (android.graphics.Color)	4278190839 (0xFF0002F7)
YUV	29.3320, 107.3103, -25.7242
Hunter-Lab	25.9977, 69.9228, -183.4381

Details

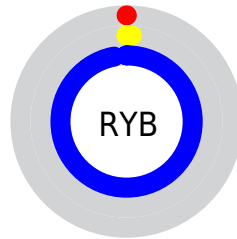
The XYZ color **16.8102, 6.7588, 88.4143** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **71.0397, 85.1372, 12.6909**, and the grayscale version is **1.1263, 1.1850, 1.2905**.

A 20% lighter version of the original color is **27.9110, 15.6484, 96.1571**, and **9.1853, 3.6741, 48.3692** is the 20% darker color. If you saturate the color by 10%, you get **16.8092, 6.7568, 88.4143**, and if you desaturate by 10%, it is **17.5641, 7.6796, 88.5526**.

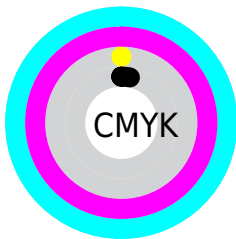
Distribution



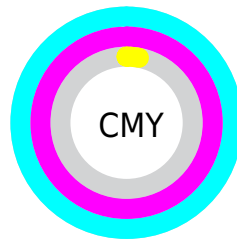
- Red (0%)
- Green (1%)
- Blue (97%)



- Red (0%)
- Yellow (1%)
- Blue (97%)



- Cyan (100%)
- Magenta (99%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (99%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8102, 6.7588, 88.4143 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 16.8102, 6.7588, 88.4143 by changing the saturation by 10% instead.

■ 16.8102, 6.7588,
88.4143

■ 16.8102, 6.7588,
88.4143

227.2539,
165.6442, 543.2954

■ 10.1937, 3.3117,
66.0999

■ 37.5454, 19.4863,
147.0500

■ 5.5908, 1.2966,
47.8965

■ 52.3947, 29.5355,
184.2085

■ 2.6362, 0.1385,
33.3856

■ 70.7192, 42.5543,
227.1520

■ 0.9644, 0.0000,
22.1484

■ 92.8839, 58.9269,
276.2992

■ 0.0000, 0.0000,
13.7667

■ 119.2544, 79.0378,
332.0687


■ 0.0000, 0.0000,
7.8217


■ 150.1960,


■ 0.0000, 0.0000,


103.2714, 394.8788


3.8949


 186.0740,
132.0120, 465.1482

 0.0000, 0.0000,
1.5679


 0.0000, 0.0000,
0.2677


 16.8102, 6.7588,
88.4143


 16.8102, 6.7588,
88.4143

 16.8092, 6.7568,
88.4143

 17.5641, 7.6796,
88.5526

 19.2616, 9.7473,
88.8622

 22.1761, 13.2788,
89.3903

 26.4785, 18.4777,
90.1670

■ 32.3121, 25.5152,
91.2179

■ 39.8029, 34.5417,
92.5654

■ 49.0633, 45.6916,
94.2295

■ 60.1964, 59.0881,
96.2285

■ 73.2969, 74.8446,
98.5793

Harmonies

Analogous

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



7.8545, 6.7588, 127.8552



16.8102, 6.7588, 88.4143



25.6010, 6.7588, 32.7548

Triad

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



16.8102, 6.7588, 88.4143



12.7886, 6.7588, 0.0000



0.1263, 6.7588, 11.8857

Complementary

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



16.8102, 6.7588, 88.4143



71.0397, 85.1372, 12.6909

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.



0.3776, 6.7588, 0.0937



16.8102, 6.7588, 88.4143



5.1788, 6.7588, 0.0000

Square

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



16.8102, 6.7588, 88.4143



22.3882, 6.7588, 0.0000



1.5458, 6.7588, 0.0000



0.7222, 6.7588, 54.1526

Rectangle

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



16.8102, 6.7588, 88.4143



28.2514, 6.7588, 9.9416



1.5458, 6.7588, 0.0000



0.1145, 6.7588, 5.2678

Sweetspot

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



16.8109, 6.7588, 88.4146



52.6632, 49.0205, 101.2940



49.4221, 72.9864, 96.1859



10.3223, 9.3490, 21.5104



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.



16.8109, 6.7588, 88.4146



18.0713, 7.2627, 95.0571



24.4548, 10.6687, 88.7664



15.5915, 15.9472, 20.7989



8.8945, 3.5827, 46.7608



0.7853, 0.3220, 4.1110

Inverse Universe

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



38.3695, 19.7801, 1.8524



41.2508, 21.2643, 1.9867



42.1109, 71.0841, 11.5032



16.5044, 16.4846, 17.1366



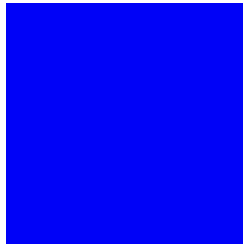
20.2940, 10.4610, 0.9908



1.7854, 0.9201, 0.0965

Previews

White Background



This preview shows how the XYZ color 16.8102, 6.7588, 88.4143 looks on a white background.

Color Contrast Check

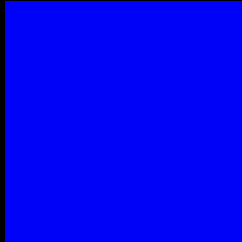
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 16.8102, 6.7588, 88.4143 looks on a 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](#).

XYZ 16.8102, 6.7588, 88.4143

Background



This preview shows how black text looks on a background with the XYZ color 16.8102, 6.7588, 88.4143.



This preview shows how white text looks on a background with the XYZ color 16.8102, 6.7588,

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

16.8102, 6.7588, 88.4143

Protanopia

7.9033, 6.8691, 30.1875

Deuteranopia

6.5502, 6.8663, 21.4022



Tritanopia

4.8136, 6.8746, 10.0901

Trichromacy



Original Color

16.8102, 6.7588, 88.4143

Protanomaly

9.8794, 5.5782, 47.0104

Deuteranomaly

8.4913, 5.2215, 39.0884

Tritanomaly

6.4300, 4.6827, 27.3530

Monochromacy



Original Color

16.8102, 6.7588, 88.4143

Achromatopsia

1.1678, 1.2286, 1.3380

Achromatomaly

3.1891, 1.6771, 14.3430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8102, 6.7588, 88.4143 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, 2, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 2, 247)  
}
```

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, 2, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 2, 247) }
```

Border

The CSS property to change the border of an element to XYZ 16.8102, 6.7588, 88.4143 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, 2, 247) }
```


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

```
.border{ border-color:rgb(0, 2, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 2, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 2, 247); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 2, 247); box-shadow:4px  
4px 4px 4px rgb(0, 2, 247) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8102, 6.7588, 88.4143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 2, 247) }
```

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

```
.background{ background-color: rgb(0, 2,  
247) }
```

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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