

Converting Colors

XYZ(13.8330, 6.0518, 71.2448)

Have a look what the booklet for
XYZ(13.8330, 6.0518, 71.2448)
contains.

XYZ(13.7812, 6.0351, 70.9595)	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>	30

Color

**XYZ(13.7812, 6.0351,
70.9595)**

Conversions

Conversions Part 1

Format	Color
Hex	0018E0
RGB	0, 24, 224
RGB Percent	0%, 9%, 88%
CMY	0.9998, 0.9059, 0.1216
CMYK	1.00, 0.89, 0.00, 0.12
HSL	234°, 100%, 44%
HSV	234°, 100%, 88%
XYZ	13.7812, 6.0351, 70.9595
YIQ	39.6240, -78.5040, 57.1120

Conversions

Conversions Part 2

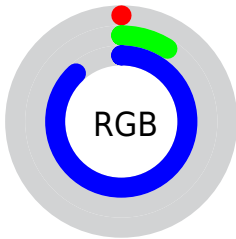
Format	Color
RYB	0, 22, 224
Decimal	6368
CIELab	29.50, 66.55, -94.95
CIELCh	30, 115.950, 305.027
Yxy	6.0351, 0.1518, 0.0665
Android (android.graphics.Color)	4278196448 (0xFF0018E0)
YUV	39.6240, 90.8974, -34.7502
Hunter-Lab	24.5664, 57.1431, -154.0611

Details

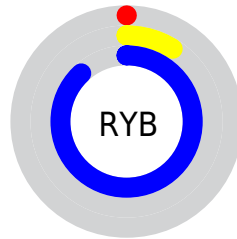
The XYZ color **13.7812, 6.0351, 70.9595** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **51.4111, 57.1880, 8.3304**, and the grayscale version is **1.9121, 2.0116, 2.1907**.

A 20% lighter version of the original color is **27.3299, 16.0483, 96.2649**, and **6.9751, 2.7900, 36.7301** is the 20% darker color. If you saturate the color by 10%, you get **13.7799, 6.0325, 70.9593**, and if you desaturate by 10%, it is **14.6962, 7.3588, 71.1670**.

Distribution



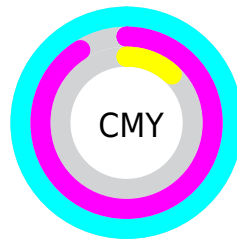
- Red (0%)
- Green (9%)
- Blue (88%)



- Red (0%)
- Yellow (9%)
- Blue (88%)



- Cyan (100%)
- Magenta (89%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (91%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7812, 6.0351, 70.9595 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 13.7812, 6.0351, 70.9595 by changing the saturation by 10% instead.

■ 13.7812, 6.0351,
70.9595

■ 13.7812, 6.0351,
70.9595

209.4034,
159.3867, 482.7917

■ 8.0493, 2.8664,
51.8275

■ 32.2898, 18.0039,
122.2700

■ 4.1786, 1.0624,
36.4863

■ 45.7973, 27.5728,
155.2855

■ 1.8037, 0.0000,
24.5174

■ 62.6273, 40.0440,
193.7661

■ 0.5199, 0.0000,
15.5021

■ 83.1452, 55.8017,
238.1301

■ 0.0000, 0.0000,
9.0220

■ 107.7164, 75.2305,
288.7961


■ 0.0000, 0.0000,
4.6585


■ 136.7063, 98.7146,

■ 0.0000, 0.0000,


346.1827


1.9931

 170.4802,
126.6386, 410.7084


 0.0000, 0.0000,
0.5510

 0.0000, 0.0000,
0.0000


 13.7812, 6.0351,
70.9595


 13.7812, 6.0351,
70.9595

 13.7799, 6.0325,
70.9593

 14.6962, 7.3588,
71.1670

 16.3642, 9.6037,
71.5124

 18.9582, 12.9264,
72.0171

 22.5898, 17.4422,
72.6973

■ 27.3546, 23.2512,
73.5674

■ 33.3370, 30.4430,
74.6403

■ 40.6134, 39.0990,
75.9275

■ 49.2539, 49.2943,
77.4400

■ 59.3236, 61.0989,
79.1878

Harmonies

Analogous

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



6.6747, 6.0351, 99.3037



13.7812, 6.0351, 70.9595



20.7845, 6.0351, 28.1453

Triad

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



13.7812, 6.0351, 70.9595



11.1928, 6.0351, 0.0000



0.2845, 6.0351, 9.4693

Complementary

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



13.7812, 6.0351, 70.9595



51.4111, 57.1880, 8.3304

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.



0.5383, 6.0351, 0.1336



13.7812, 6.0351, 70.9595



4.8901, 6.0351, 0.0000

Square

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



13.7812, 6.0351, 70.9595



18.7516, 6.0351, 0.0000



1.6541, 6.0351, 0.0000



0.7863, 6.0351, 41.4937

Rectangle

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



13.7812, 6.0351, 70.9595



23.0133, 6.0351, 9.4344



1.6541, 6.0351, 0.0000



0.2843, 6.0351, 4.3552

Sweetspot

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



13.7818, 6.0351, 70.9597



54.2265, 52.1472, 101.8151



36.8350, 57.3832, 62.4845



10.6767, 10.0579, 21.6286



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.



13.7818, 6.0351, 70.9597



18.4477, 8.0154, 95.1826



17.2841, 7.3570, 71.0303



13.0694, 13.4778, 17.3003



8.0611, 3.5917, 41.3168



0.5990, 0.3295, 2.8773

Inverse Universe

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



30.9060, 15.9145, 2.3065



41.4407, 21.3403, 2.9871



37.1632, 58.7282, 9.3787



13.7665, 13.7242, 14.5404



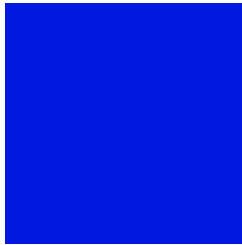
18.0091, 9.2706, 1.4475



1.2686, 0.6507, 0.2074

Previews

White Background



This preview shows how the XYZ color 13.7812, 6.0351, 70.9595 looks on a white background.

Color Contrast Check

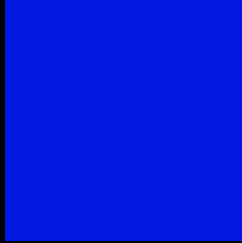
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7812, 6.0351, 70.9595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

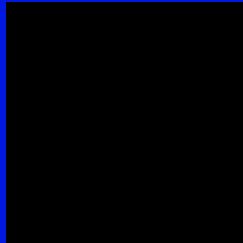
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7812, 6.0351, 70.9595

Background



This preview shows how black text looks on a background with the XYZ color 13.7812, 6.0351, 70.9595.



This preview shows how white text looks on a background with the XYZ color 13.7812, 6.0351,

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

13.7812, 6.0351, 70.9595

Deuteranopia

5.7075, 5.9908, 18.6248

Tritanopia

4.2096, 6.0429, 8.7291

Trichromacy



Original Color

13.7812, 6.0351, 70.9595

Deuteranomaly

7.5377, 5.2010, 32.9544

Tritanomaly

5.7467, 4.7196, 22.7984

Monochromacy



Original Color

13.7812, 6.0351, 70.9595

Achromatopsia

2.0169, 2.1219, 2.3108

Achromatomaly

3.6268, 2.4123, 14.1844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7812, 6.0351, 70.9595 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, 24, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 24, 224)  
}
```

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, 24, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 24, 224) }
```

Border

The CSS property to change the border of an element to XYZ 13.7812, 6.0351, 70.9595 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, 24, 224) }
```

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

```
.border{ border-color:rgb(0, 24, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 24, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 24, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 24, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 24, 224)  
}
```


Background

The CSS property to change the background color of an element to XYZ 13.7812, 6.0351, 70.9595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 24, 224) }
```

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

```
.background{ background-color: rgb(0, 24,  
224) }
```

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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