

Converting Colors

XYZ(16.1314, 6.9408, 67.3049)

Have a look what the booklet for
XYZ(16.1314, 6.9408, 67.3049)
contains.

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Color

**XYZ(16.1596, 6.9502,
67.5077)**

Conversions

Conversions Part 1

Format	Color
Hex	5006DB
RGB	80, 6, 219
RGB Percent	31%, 2%, 86%
CMY	0.6862, 0.9765, 0.1412
CMYK	0.63, 0.97, 0.00, 0.14
HSL	261°, 95%, 44%
HSV	261°, 97%, 86%
XYZ	16.1596, 6.9502, 67.5077
YIQ	52.4080, -24.2690, 81.9310

Conversions

Conversions Part 2

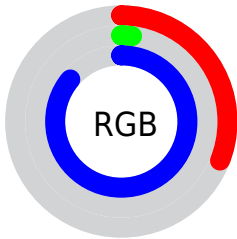
Format	Color
R _Y B	80, 6, 219
Decimal	5244635
CIE Lab	31.69, 71.42, -88.31
CIE LCh	32, 113.575, 308.963
Yxy	6.9502, 0.1783, 0.0767
Android (android.graphics.Color)	4283434715 (0xFF5006DB)
YUV	52.4080, 82.1299, 24.1982
Hunter-Lab	26.3632, 63.2777, -133.3682

Details

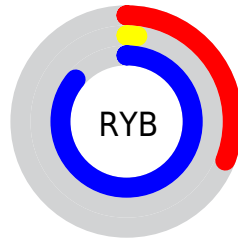
The XYZ color **16.1596, 6.9502, 67.5077** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **37.0378, 56.6942, 9.1629**, and the grayscale version is **3.2196, 3.3873, 3.6888**.

A 20% lighter version of the original color is **32.5314, 18.3206, 96.4294**, and **6.5216, 2.6086, 34.3422** is the 20% darker color. If you saturate the color by 10%, you get **15.7748, 6.6552, 67.4713**, and if you desaturate by 10%, it is **17.8455, 8.3351, 67.6864**.

Distribution



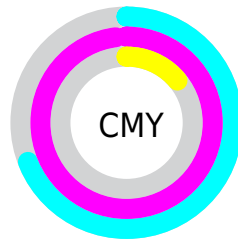
- Red (31%)
- Green (2%)
- Blue (86%)



- Red (31%)
- Yellow (2%)
- Blue (86%)



- Cyan (63%)
- Magenta (97%)
- Yellow (0%)
- Black (14%)



- Cyan (69%)
- Magenta (98%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1596, 6.9502, 67.5077 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 16.1596, 6.9502, 67.5077 by changing the saturation by 10% instead.

■ 16.1596, 6.9502,
67.5077

■ 16.1596, 6.9502,
67.5077

223.5336,
167.2492, 470.3004

■ 9.7287, 3.4310,
49.0331

■ 36.4303, 19.8730,
117.2951

■ 5.2803, 1.3607,
34.2800

■ 51.0008, 30.0453,
149.4451

■ 2.4491, 0.1875,
22.8297

■ 69.0152, 43.2041,
186.9906

■ 0.8697, 0.0000,
14.2637

■ 90.8389, 59.7338,
230.3502

■ 0.0000, 0.0000,
8.1634

■ 116.8372, 80.0187,
279.9425


■ 0.0000, 0.0000,
4.1104


■ 147.3755,

■ 0.0000, 0.0000,


104.4434, 336.1859

1.6861

 182.8192,
133.3921, 399.4990

 0.0000, 0.0000,
0.3512


 0.0000, 0.0000,
0.0000


 16.1596, 6.9502,
67.5077

 16.1596, 6.9502,
67.5077

 15.7748, 6.6552,
67.4713

 17.8455, 8.3351,
67.6864

 20.1738, 10.6027,
68.0014

 23.2343, 13.9108,
68.4786

 27.0963, 18.3792,
69.1375

■ 31.8202, 24.1105,
69.9948

■ 37.4600, 31.1958,
71.0652

■ 44.0649, 39.7174,
72.3619

■ 51.6804, 49.7511,
73.8972

■ 60.3490, 61.3671,
75.6824

Harmonies

Analogous

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



8.4627, 6.9502, 100.0183



16.1596, 6.9502, 67.5077



23.0004, 6.9502, 25.3273

Triad

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



16.1596, 6.9502, 67.5077



11.3674, 6.9502, 0.0000



0.5962, 6.9502, 13.5793

Complementary

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



16.1596, 6.9502, 67.5077



37.0378, 56.6942, 9.1629

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.



0.7471, 6.9502, 0.9699



16.1596, 6.9502, 67.5077



5.0428, 6.9502, 0.0000

Square

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



16.1596, 6.9502, 67.5077



19.3002, 6.9502, 0.0000



1.8360, 6.9502, 0.0000



1.2261, 6.9502, 49.3681

Rectangle

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



16.1596, 6.9502, 67.5077



24.7135, 6.9502, 8.1495



1.8360, 6.9502, 0.0000



0.5628, 6.9502, 7.0140

Sweetspot

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



16.1602, 6.9503, 67.5079



60.2456, 53.5171, 101.7623



23.4504, 26.3317, 70.8647



12.0255, 10.3307, 21.6102



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.



16.1602, 6.9503, 67.5079



22.1326, 9.3247, 95.2411



32.4984, 15.3729, 68.2725



12.7633, 12.8361, 16.4571



9.4606, 4.0013, 40.0121



0.7040, 0.3062, 2.5964

Inverse Universe

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



34.3878, 17.2338, 28.2937



48.1587, 24.0275, 38.3632



26.2985, 51.1579, 8.6603



13.4122, 13.1940, 15.4318



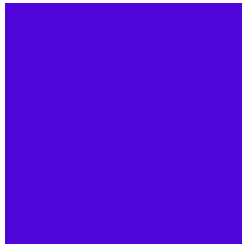
20.3109, 10.1254, 16.5493



1.3559, 0.6720, 1.2832

Previews

White Background



This preview shows how the XYZ color 16.1596, 6.9502, 67.5077 looks on a white background.

Color Contrast Check

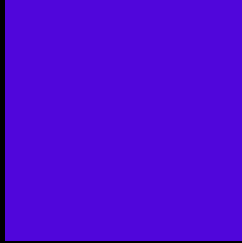
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1596, 6.9502, 67.5077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

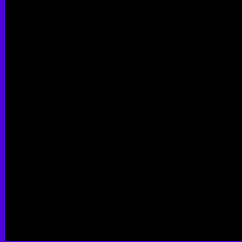
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1596, 6.9502, 67.5077

Background



This preview shows how black text looks on a background with the XYZ color 16.1596, 6.9502, 67.5077.



This preview shows how white text looks on a background with the XYZ color 16.1596, 6.9502,

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

16.1596, 6.9502, 67.5077

Protanopia

8.1323, 7.0650, 31.0721

Deuteranopia

6.7537, 7.0605, 22.1259



Tritanopia

5.0158, 7.0788, 10.7749

Trichromacy



Original Color

16.1596, 6.9502, 67.5077

Protanomaly

9.5408, 5.6322, 42.1792

Deuteranomaly

8.2563, 5.3258, 34.7753

Tritanomaly

6.4362, 4.8957, 24.2726

Monochromacy



Original Color

16.1596, 6.9502, 67.5077

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.5683, 3.4185, 15.9891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1596, 6.9502, 67.5077 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(80, 6, 219)` looks like.

```
.text, #text, p{  
    color:rgb(80, 6, 219)  
}
```

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(80, 6, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 6, 219) }
```

Border

The CSS property to change the border of an element to XYZ 16.1596, 6.9502, 67.5077 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(80, 6, 219) }
```


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

```
.border{ border-color:rgb(80, 6, 219) }
```

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

Here you see how a box with a 4 pixel rgb(80, 6, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 6, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 6, 219);  
box-shadow:4px 4px 4px 4px rgb(80, 6, 219)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.1596, 6.9502, 67.5077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 6, 219) }
```

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

```
.background{ background-color: rgb(80, 6,  
219) }
```

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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