

Converting Colors

XYZ(18.0422, 8.0420, 57.7281)

Have a look what the booklet for
XYZ(18.0422, 8.0420, 57.7281)
contains.

XYZ(18.1015, 8.0726, 57.7309)	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(18.1015, 8.0726,
57.7309)**

Conversions

Conversions Part 1

Format	Color
Hex	7400CC
RGB	116, 0, 204
RGB Percent	45%, 0%, 80%
CMY	0.5451, 1.0000, 0.2000
CMYK	0.43, 1.00, 0.00, 0.20
HSL	274°, 100%, 40%
HSV	274°, 100%, 80%
XYZ	18.1015, 8.0726, 57.7309
YIQ	57.9400, 3.6520, 88.0360

Conversions

Conversions Part 2

Format	Color
RYB	116, 0, 204
Decimal	7602380
CIELab	34.13, 71.58, -75.44
CIELCh	34, 103.991, 313.496
Yxy	8.0726, 0.2157, 0.0962
Android (android.graphics.Color)	4285792460 (0xFF7400CC)
YUV	57.9400, 72.0076, 50.9186
Hunter-Lab	28.4123, 64.0009, -100.5825

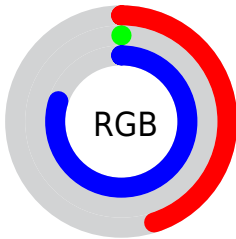
Details

The XYZ color **18.1015, 8.0726, 57.7309** is a dark color, and the websafe version is hex **6600CC**.

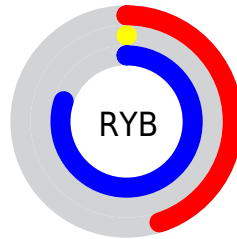
The color can be described as dark washed purple. A complement of this color would be **25.6172, 45.2605, 7.3860**, and the grayscale version is **3.9208, 4.1249, 4.4921**.

A 20% lighter version of the original color is **38.5389, 21.6190, 96.7494**, and **6.7615, 2.8682, 28.2142** is the 20% darker color. If you saturate the color by 10%, you get **18.1021, 8.0729, 57.7311**, and if you desaturate by 10%, it is **19.5852, 9.2194, 57.8743**.

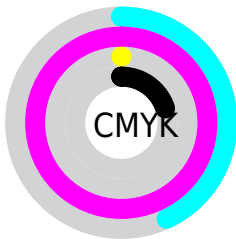
Distribution



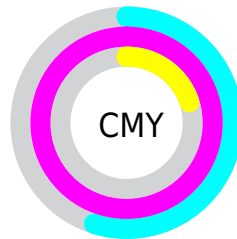
- Red (45%)
- Green (0%)
- Blue (80%)



- Red (45%)
- Yellow (0%)
- Blue (80%)



- Cyan (43%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (55%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1015, 8.0726, 57.7309 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 18.1015, 8.0726, 57.7309 by changing the saturation by 10% instead.

■ 18.1015, 8.0726,
57.7309

■ 18.1015, 8.0726,
57.7309

234.4771,
176.3003, 433.7527

■ 11.1230, 4.1414,
41.1791

■ 39.7389, 22.1006,
103.0418

■ 6.2175, 1.7530,
28.1383

■ 55.1286, 32.9663,
132.6379

■ 3.0197, 0.4576,
18.1900

■ 74.0527, 46.9123,
167.4193

■ 1.1642, 0.0000,
10.9156

■ 96.8765, 64.3229,
207.8043

■ 0.0778, 0.0000,
5.8967

■ 123.9656, 85.5827,
254.2117


■ 0.0000, 0.0000,
2.7146

■ 155.6851,


■ 0.0000, 0.0000,


111.0759, 307.0598


0.9508

 192.4005,
141.1870, 366.7673


 0.0000, 0.0000,
0.0000


 18.1015, 8.0726,
57.7309


 18.1015, 8.0726,
57.7309


 18.1021, 8.0729,
57.7311

 19.5852, 9.2194,
57.8743

 21.4535, 10.9675,
58.1132

 23.8031, 13.5050,
58.4792

 26.6864, 16.9328,
58.9888

 30.1481, 21.3362,
59.6563

■ 34.2276, 26.7903,
60.4941

■ 38.9604, 33.3625,
61.5132

■ 44.3792, 41.1146,
62.7239

■ 50.5143, 50.1037,
64.1356

Harmonies

Analogous

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



10.5591, 8.0726, 89.7984



18.1015, 8.0726, 57.7309



23.9477, 8.0726, 21.2331

Triad

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



18.1015, 8.0726, 57.7309



11.2694, 8.0726, 0.0000



1.1556, 8.0726, 18.4666

Complementary

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



18.1015, 8.0726, 57.7309



25.6172, 45.2605, 7.3860

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.



1.1988, 8.0726, 2.5067



18.1015, 8.0726, 57.7309



5.3671, 8.0726, 0.0000

Square

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



18.1015, 8.0726, 57.7309



18.8400, 8.0726, 0.0000



2.2950, 8.0726, 0.0000



2.1159, 8.0726, 53.6985

Rectangle

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



18.1015, 8.0726, 57.7309



24.8905, 8.0726, 6.9937



2.2950, 8.0726, 0.0000



1.0768, 8.0726, 10.8695

Sweetspot

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



18.1021, 8.0729, 57.7311



64.1947, 54.7899, 101.7998



14.4218, 11.4050, 58.5683



12.9987, 10.6892, 21.6281



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.



18.1021, 8.0729, 57.7311



29.7278, 13.2401, 95.5965



34.2400, 16.5727, 50.3391



11.2021, 11.1535, 14.1328



11.5021, 5.1371, 36.3416



0.6793, 0.3093, 1.8788

Inverse Universe

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



26.6633, 13.5420, 10.4404



44.0542, 22.3857, 16.7496



21.6695, 43.2166, 7.6009



11.4099, 11.2927, 12.6930



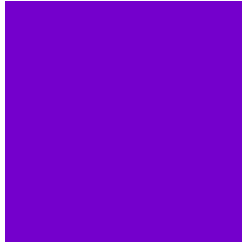
16.8269, 8.5413, 6.8070



0.9059, 0.4558, 0.5502

Previews

White Background



This preview shows how the XYZ color 18.1015, 8.0726, 57.7309 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 18.1015, 8.0726, 57.7309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

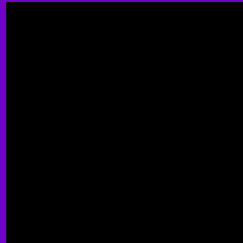
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1015, 8.0726, 57.7309

Background



This preview shows how black text looks on a background with the XYZ color 18.1015, 8.0726, 57.7309.



This preview shows how white text looks on a background with the XYZ color 18.1015, 8.0726,

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

18.1015, 8.0726, 57.7309

Protanopia

9.8437, 8.5273, 37.6863

Deuteranopia

8.2825, 8.5106, 27.5917



Tritanopia

8.6682, 8.5331, 9.9943

Trichromacy



Original Color

18.1015, 8.0726, 57.7309

Protanomaly

10.3769, 6.1552, 43.8212

Deuteranomaly

9.1569, 5.8837, 36.7294

Tritanomaly

10.2919, 6.6053, 21.5014

Monochromacy



Original Color

18.1015, 8.0726, 57.7309

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.7553, 4.1331, 15.4807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1015, 8.0726, 57.7309 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(116, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(116, 0, 204)  
}
```

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(116, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 18.1015, 8.0726, 57.7309 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(116, 0, 204) }
```


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

```
.border{ border-color:rgb(116, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(116, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(116, 0,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1015, 8.0726, 57.7309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 0, 204) }
```

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

```
.background{ background-color: rgb(116, 0,  
204) }
```

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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