

Converting Colors

XYZ(18.2345, 8.0694, 60.9830)

Have a look what the booklet for
XYZ(18.2345, 8.0694, 60.9830)
contains.

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Color

**XYZ(18.1907, 8.0482,
60.9163)**

Conversions

Conversions Part 1

Format	Color
Hex	7000D1
RGB	112, 0, 209
RGB Percent	44%, 0%, 82%
CMY	0.5608, 1.0000, 0.1804
CMYK	0.46, 1.00, 0.00, 0.18
HSL	272°, 100%, 41%
HSV	272°, 100%, 82%
XYZ	18.1907, 8.0482, 60.9163
YIQ	57.3140, -0.3370, 88.7430

Conversions

Conversions Part 2

Format	Color
R_{YB}	112, 0, 209
Decimal	7340241
CIE _{Lab}	34.08, 72.27, -78.45
CIE _{LCh}	34, 106.662, 312.651
Yxy	8.0482, 0.2087, 0.0923
Android (android.graphics.Color)	4285530321 (0xFF7000D1)
YUV	57.3140, 74.7812, 47.9596
Hunter-Lab	28.3693, 64.8096, -107.4524

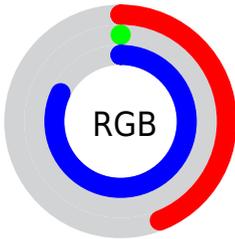
Details

The XYZ color **18.1907, 8.0482, 60.9163** is a dark color, and the websafe version is hex **6600CC**.

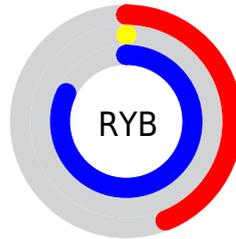
The color can be described as dark washed purple. A complement of this color would be **27.7299, 48.1423, 7.8309**, and the grayscale version is **3.8355, 4.0352, 4.3944**.

A 20% lighter version of the original color is **37.8680, 21.2731, 96.7180**, and **6.8320, 2.8578, 30.3285** is the 20% darker color. If you saturate the color by 10%, you get **18.1913, 8.0485, 60.9165**, and if you desaturate by 10%, it is **19.7592, 9.2521, 61.0662**.

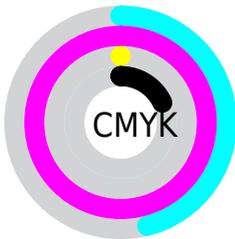
Distribution



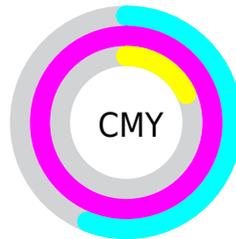
- Red (44%)
- Green (0%)
- Blue (82%)



- Red (44%)
- Yellow (0%)
- Blue (82%)



- Cyan (46%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)



- Cyan (56%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1907, 8.0482, 60.9163 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 18.1907, 8.0482, 60.9163 by changing the saturation by 10% instead.

18.1907, 8.0482,
60.9163

18.1907, 8.0482,
60.9163

234.9686,
176.1096, 445.8651

11.1875, 4.1258,
43.7275

39.8895, 22.0529,
107.7141

6.2613, 1.7442,
30.1207

55.3159, 32.9040,
138.1602

3.0468, 0.4520,
19.6774

74.2807, 46.8334,
173.8624

1.1786, 0.0000,
11.9790

97.1493, 64.2256,
215.2394

0.0893, 0.0000,
6.6070

124.2870, 85.4649,
262.7096

0.0000, 0.0000,
3.1429

156.0592,

0.0000, 0.0000,

110.9357, 316.6916

1.1680

 192.8313,
141.0225, 377.6039

 0.0000, 0.0000,
0.0000

 18.1907, 8.0482,
60.9163

 18.1907, 8.0482,
60.9163

 18.1913, 8.0485,
60.9165

 19.7592, 9.2521,
61.0662

 21.7522, 11.1028,
61.3184

 24.2716, 13.7971,
61.7057

 27.3739, 17.4427,
62.2458

 31.1073, 22.1305,
62.9539

■ 35.5143, 27.9408,
63.8431

■ 40.6334, 34.9454,
64.9253

■ 46.4998, 43.2102,
66.2114

■ 53.1464, 52.7961,
67.7114

Harmonies

Analogous

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



10.4114, 8.0482, 93.9774



18.1907, 8.0482, 60.9163



24.3791, 8.0482, 22.4507

Triad

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



18.1907, 8.0482, 60.9163



11.5532, 8.0482, 0.0000



1.0626, 8.0482, 17.9729

Complementary

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



18.1907, 8.0482, 60.9163



27.7299, 48.1423, 7.8309

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.



1.1285, 8.0482, 2.2087



18.1907, 8.0482, 60.9163



5.4252, 8.0482, 0.0000

Square

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



18.1907, 8.0482, 60.9163



19.3868, 8.0482, 0.0000



2.2520, 8.0482, 0.0000



1.9735, 8.0482, 54.3151

Rectangle

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



18.1907, 8.0482, 60.9163



25.4863, 8.0482, 7.3452



2.2520, 8.0482, 0.0000



0.9936, 8.0482, 10.3527

Sweetspot

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



18.1913, 8.0485, 60.9165



63.4331, 54.3974, 101.7642



15.8328, 13.2518, 62.0452



12.8181, 10.5961, 21.6196



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.



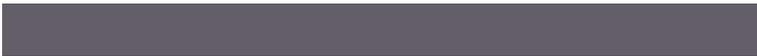
18.1913, 8.0485, 60.9165



28.3102, 12.5093, 95.5302



36.9592, 17.8212, 57.3899



11.7601, 11.7251, 14.8870



11.3311, 5.0217, 37.5646



0.7247, 0.3277, 2.1046

Inverse Universe

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



28.4521, 14.4184, 12.5918



44.5305, 22.5762, 19.2577



22.8387, 45.6164, 7.8012



12.0337, 11.8982, 13.4535



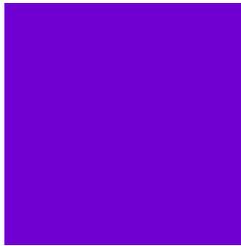
17.5914, 8.9094, 8.0204



1.0235, 0.5141, 0.6585

Previews

White Background



This preview shows how the XYZ color 18.1907, 8.0482, 60.9163 looks on a white background.

Color Contrast Check

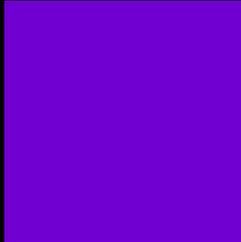
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1907, 8.0482, 60.9163 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 18.1907, 8.0482, 60.9163

Background



This preview shows how black text looks on a background with the XYZ color 18.1907, 8.0482, 60.9163.



This preview shows how white text looks on a background with the XYZ color 18.1907, 8.0482,

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

18.1907, 8.0482, 60.9163

Protanopia

9.7710, 8.3820, 37.6621

Deuteranopia

8.2064, 8.4802, 27.1909



Tritanopia

8.1836, 8.3833, 10.4193

Trichromacy



Original Color

18.1907, 8.0482, 60.9163

Protanomaly

10.4986, 6.1300, 44.8858

Deuteranomaly

9.2087, 5.8998, 37.2126

Tritanomaly

9.9071, 6.4491, 22.5524

Monochromacy



Original Color

18.1907, 8.0482, 60.9163

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.6161, 4.0094, 15.7544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1907, 8.0482, 60.9163 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(112, 0, 209)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 209)  
}
```

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(112, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 209) }
```

Border

The CSS property to change the border of an element to XYZ 18.1907, 8.0482, 60.9163 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(112, 0, 209) }
```

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

```
.border{ border-color:rgb(112, 0, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 0, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1907, 8.0482, 60.9163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 209) }
```

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

```
.background{ background-color: rgb(112, 0,  
209) }
```

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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