

Converting Colors

XYZ(18.1897, 8.0094, 62.6434)

Have a look what the booklet for
XYZ(18.1897, 8.0094, 62.6434)
contains.

XYZ(18.1903, 8.0047, 62.8737)	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(18.1903, 8.0047,
62.8737)**

Conversions

Conversions Part 1

Format	Color
Hex	6D00D4
RGB	109, 0, 212
RGB Percent	43%, 0%, 83%
CMY	0.5725, 1.0000, 0.1686
CMYK	0.49, 1.00, 0.00, 0.17
HSL	271°, 100%, 42%
HSV	271°, 100%, 83%
XYZ	18.1903, 8.0047, 62.8737
YIQ	56.7590, -3.0880, 89.0400

Conversions

Conversions Part 2

Format	Color
R_{YB}	109, 0, 212
Decimal	7143636
CIE _{Lab}	33.99, 72.65, -80.35
CIE _{LCh}	34, 108.328, 312.120
Y _{xy}	8.0047, 0.2042, 0.0899
Android (android.graphics.Color)	4285333716 (0xFF6D00D4)
YUV	56.7590, 76.5338, 45.8154
Hunter-Lab	28.2926, 65.2520, -111.9535

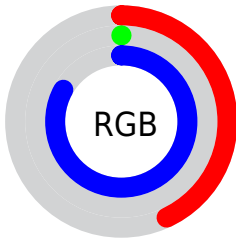
Details

The XYZ color **18.1903, 8.0047, 62.8737** is a dark color, and the websafe version is hex **6600CC**.

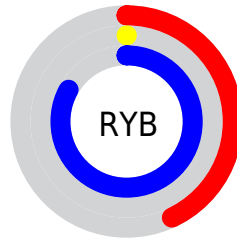
The color can be described as dark washed purple. A complement of this color would be **29.1367, 49.9705, 8.1096**, and the grayscale version is **3.7616, 3.9575, 4.3097**.

A 20% lighter version of the original color is **37.2120, 20.9349, 96.6873**, and **6.8375, 2.8316, 31.6387** is the 20% darker color. If you saturate the color by 10%, you get **18.1909, 8.0050, 62.8739**, and if you desaturate by 10%, it is **19.8051, 9.2407, 63.0274**.

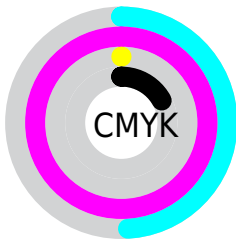
Distribution



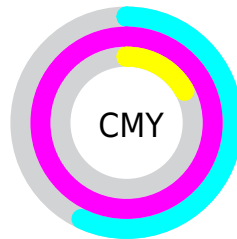
- Red (43%)
- Green (0%)
- Blue (83%)



- Red (43%)
- Yellow (0%)
- Blue (83%)



- Cyan (49%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)



- Cyan (57%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1903, 8.0047, 62.8737 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 18.1903, 8.0047, 62.8737 by changing the saturation by 10% instead.

18.1903, 8.0047,
62.8737

18.1903, 8.0047,
62.8737

234.9664,
175.7689, 453.2063

11.1872, 4.0980,
45.2987

39.8889, 21.9677,
110.5711

6.2611, 1.7285,
31.3481

55.3151, 32.7927,
141.5306

3.0467, 0.4420,
20.6034

74.2797, 46.6925,
177.7886

1.1785, 0.0000,
12.6460

97.1481, 64.0517,
219.7638

0.0893, 0.0000,
7.0574

124.2856, 85.2545,
267.8746

0.0000, 0.0000,
3.4190


156.0575,

0.0000, 0.0000,


110.6854, 322.5396


1.3124


 192.8294,
140.7287, 384.1773

 0.0000, 0.0000,
0.0719


 0.0000, 0.0000,
0.0000


 18.1903, 8.0047,
62.8737


 18.1903, 8.0047,
62.8737

 18.1909, 8.0050,
62.8739

 19.8051, 9.2407,
63.0274

 21.8711, 11.1525,
63.2875

 24.4935, 13.9424,
63.6878

 27.7315, 17.7223,
64.2467

■ 31.6356, 22.5870,
64.9800

■ 36.2504, 28.6197,
65.9011

■ 41.6164, 35.8951,
67.0226

■ 47.7705, 44.4817,
68.3557

■ 54.7472, 54.4429,
69.9106

Harmonies

Analogous

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



10.2807, 8.0047, 96.4950



18.1903, 8.0047, 62.8737



24.5862, 8.0047, 23.1987

Triad

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



18.1903, 8.0047, 62.8737



11.7028, 8.0047, 0.0000



1.0003, 8.0047, 17.5964

Complementary

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



18.1903, 8.0047, 62.8737



29.1367, 49.9705, 8.1096

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.



1.0795, 8.0047, 2.0189



18.1903, 8.0047, 62.8737



5.4444, 8.0047, 0.0000

Square

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



18.1903, 8.0047, 62.8737



19.6873, 8.0047, 0.0000



2.2156, 8.0047, 0.0000



1.8764, 8.0047, 54.5534

Rectangle

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



18.1903, 8.0047, 62.8737



25.7998, 8.0047, 7.5556



2.2156, 8.0047, 0.0000



0.9376, 8.0047, 9.9889

Sweetspot

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



18.1909, 8.0050, 62.8739



62.9339, 54.1400, 101.7408



17.0378, 15.0616, 64.2968



12.6999, 10.5352, 21.6141



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.



18.1909, 8.0050, 62.8739



27.4276, 12.0543, 95.4889



39.0352, 18.7506, 63.8494



12.3454, 12.3195, 15.6647



11.3463, 5.0017, 38.8206



0.7798, 0.3509, 2.3459

Inverse Universe

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



29.5995, 14.9763, 14.1616



44.8709, 22.7124, 21.0502



23.5436, 47.0872, 7.8479



12.6721, 12.5203, 14.2136



18.3234, 9.2657, 9.0072



1.1469, 0.5756, 0.7631

Previews

White Background



This preview shows how the XYZ color 18.1903, 8.0047, 62.8737 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

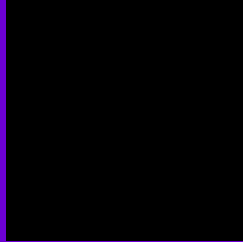
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1903, 8.0047, 62.8737

Background



This preview shows how black text looks on a background with the XYZ color 18.1903, 8.0047, 62.8737.



This preview shows how white text looks on a background with the XYZ color 18.1903, 8.0047,

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

18.1903, 8.0047, 62.8737

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

8.0528, 8.2936, 26.7676



Tritanopia

7.8769, 8.4443, 10.6659

Trichromacy



Original Color

18.1903, 8.0047, 62.8737

Protanomaly

10.5629, 6.1512, 45.4303

Deuteranomaly

9.1232, 5.7873, 37.1954

Tritanomaly

9.6007, 6.3421, 23.2724

Monochromacy



Original Color

18.1903, 8.0047, 62.8737

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.5920, 3.9905, 16.0456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1903, 8.0047, 62.8737 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(109, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(109, 0, 212)  
}
```

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(109, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 0, 212) }
```

Border

The CSS property to change the border of an element to XYZ 18.1903, 8.0047, 62.8737 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(109, 0, 212) }
```


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

```
.border{ border-color:rgb(109, 0, 212) }
```

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

Here you see how a box with a 4 pixel rgb(109, 0, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(109, 0,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1903, 8.0047, 62.8737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 0, 212) }
```

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

```
.background{ background-color: rgb(109, 0,  
212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor