

Converting Colors

XYZ(18.4962, 8.2405, 59.3592)

Have a look what the booklet for
XYZ(18.4962, 8.2405, 59.3592)
contains.

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Color

**XYZ(18.5986, 8.2869,
59.6508)**

Conversions

Conversions Part 1

Format	Color
Hex	7500CF
RGB	117, 0, 207
RGB Percent	46%, 0%, 81%
CMY	0.5412, 1.0000, 0.1882
CMYK	0.43, 1.00, 0.00, 0.19
HSL	274°, 100%, 41%
HSV	274°, 100%, 81%
XYZ	18.5986, 8.2869, 59.6508
YIQ	58.5810, 3.2850, 89.1810

Conversions

Conversions Part 2

Format	Color
R_{YB}	117, 0, 207
Decimal	7667919
CIE _{Lab}	34.57, 72.29, -76.45
CIE _{LCh}	35, 105.220, 313.397
Yxy	8.2869, 0.2149, 0.0958
Android (android.graphics.Color)	4285857999 (0xFF7500CF)
YUV	58.5810, 73.1706, 51.2335
Hunter-Lab	28.7870, 64.9475, -102.7066

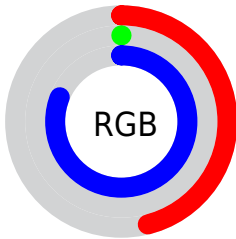
Details

The XYZ color **18.5986, 8.2869, 59.6508** is a dark color, and the websafe version is hex **6600CC**.

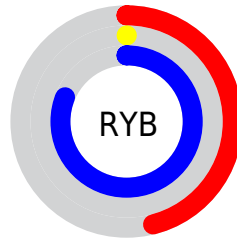
The color can be described as dark washed purple. A complement of this color would be **26.5290, 46.7993, 7.6350**, and the grayscale version is **4.0045, 4.2130, 4.5880**.

A 20% lighter version of the original color is **38.7659, 21.7360, 96.7600**, and **7.0541, 2.9912, 29.4837** is the 20% darker color. If you saturate the color by 10%, you get **18.5992, 8.2872, 59.6510**, and if you desaturate by 10%, it is **20.1299, 9.4663, 59.7979**.

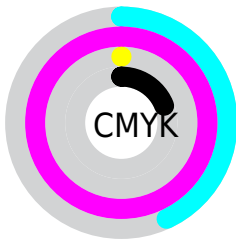
Distribution



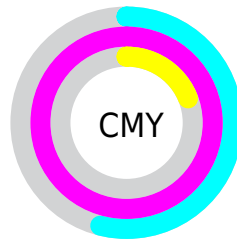
- Red (46%)
- Green (0%)
- Blue (81%)



- Red (46%)
- Yellow (0%)
- Blue (81%)



- Cyan (43%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)



- Cyan (54%)
- Magenta (100%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.5986, 8.2869, 59.6508 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 18.5986, 8.2869, 59.6508 by changing the saturation by 10% instead.


 18.5986, 8.2869,
59.6508


 18.5986, 8.2869,
59.6508


237.2046,
177.9653, 441.0783


 11.4829, 4.2791,
42.7138


 40.5769, 22.5190,
105.8613


 6.4623, 1.8309,
29.3309


 56.1701, 33.5120,
135.9720


 3.1715, 0.5063,
19.0835


 75.3199, 47.6023,
171.3108

 1.2451, 0.0000,
11.5532

 98.3916, 65.1741,
212.2965

 0.1415, 0.0000,
6.3214

 125.7506, 86.6120,
259.3476


 0.0000, 0.0000,
2.9696


 157.7622,

 0.0000, 0.0000,

112.3002, 312.8825

1.0791

 194.7917,
142.6231, 373.3199


 0.0000, 0.0000,
0.0000


 18.5986, 8.2869,
59.6508


 18.5986, 8.2869,
59.6508


 18.5992, 8.2872,
59.6510

 20.1299, 9.4663,
59.7979

 22.0616, 11.2699,
60.0443

 24.4927, 13.8907,
60.4220

 27.4779, 17.4335,
60.9485

 31.0634, 21.9869,
61.6384

■ 35.2903, 27.6287,
62.5046

■ 40.1954, 34.4288,
63.5586

■ 45.8127, 42.4513,
64.8111

■ 52.1737, 51.7554,
66.2717

Harmonies

Analogous

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



10.8256, 8.2869, 92.6955



18.5986, 8.2869, 59.6508



24.6419, 8.2869, 21.9448

Triad

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



18.5986, 8.2869, 59.6508



11.6056, 8.2869, 0.0000



1.1756, 8.2869, 18.9045

Complementary

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



18.5986, 8.2869, 59.6508



26.5290, 46.7993, 7.6350

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.



1.2227, 8.2869, 2.5378



18.5986, 8.2869, 59.6508



5.5184, 8.2869, 0.0000

Square

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



18.5986, 8.2869, 59.6508



19.4103, 8.2869, 0.0000



2.3517, 8.2869, 0.0000



2.1558, 8.2869, 55.2135

Rectangle

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



18.5986, 8.2869, 59.6508



25.6291, 8.2869, 7.2227



2.3517, 8.2869, 0.0000



1.0958, 8.2869, 11.1002

Sweetspot

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



18.5992, 8.2872, 59.6510



64.1148, 54.7488, 101.7961



15.1901, 12.3601, 60.6169



12.9797, 10.6795, 21.6272



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.



18.5992, 8.2872, 59.6510



29.5752, 13.1615, 95.5894



35.7703, 17.2807, 54.0637



11.7939, 11.7426, 14.8886



11.8286, 5.2782, 37.5878



0.7515, 0.3416, 2.1059

Inverse Universe

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



27.5776, 14.0036, 10.9215



44.1018, 22.4047, 17.0001



22.3696, 44.6485, 7.7363



12.0191, 11.8924, 13.3764



17.4207, 8.8411, 7.1214



1.0135, 0.5101, 0.6062

Previews

White Background



This preview shows how the XYZ color 18.5986, 8.2869, 59.6508 looks on a white background.

Color Contrast Check

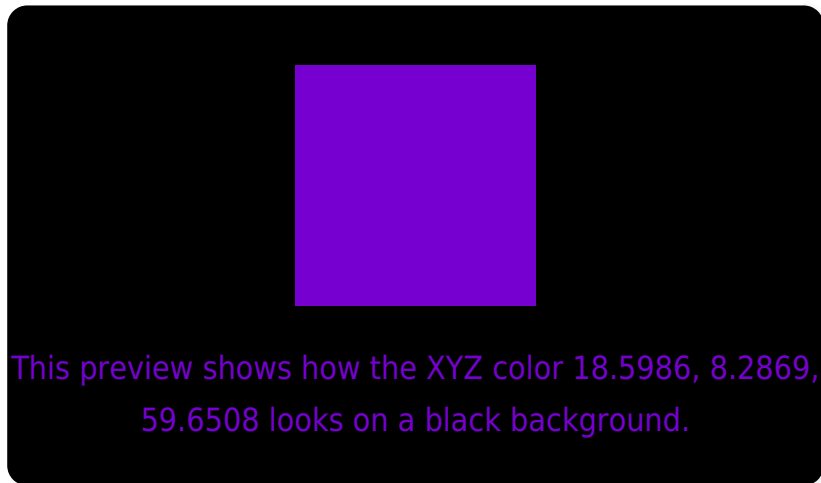
Large Text (above 18pt) WCAG AA ✓ Pass

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

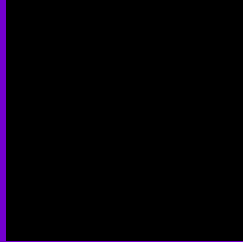
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5986, 8.2869, 59.6508

Background



This preview shows how black text looks on a background with the XYZ color 18.5986, 8.2869, 59.6508.



This preview shows how white text looks on a background with the XYZ color 18.5986, 8.2869, 59.6508.

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

18.5986, 8.2869, 59.6508

Protanopia

10.1039, 8.7494, 38.6924

Deuteranopia

8.4386, 8.6999, 28.0226



Tritanopia

8.7826, 8.6968, 10.2326

Trichromacy



Original Color

18.5986, 8.2869, 59.6508



Protanomaly

10.7715, 6.3885, 45.4651



Deuteranomaly

9.4303, 6.0731, 37.7210



Tritanomaly

10.4703, 6.7473, 22.2232

Monochromacy



Original Color

18.5986, 8.2869, 59.6508



Achromatopsia

4.1570, 4.3735, 4.7627



Achromatomaly

6.9820, 4.2840, 16.0817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5986, 8.2869, 59.6508 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(117, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(117, 0, 207)  
}
```

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(117, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 0, 207) }
```

Border

The CSS property to change the border of an element to XYZ 18.5986, 8.2869, 59.6508 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(117, 0, 207) }
```


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

```
.border{ border-color:rgb(117, 0, 207) }
```

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

Here you see how a box with a 4 pixel rgb(117, 0, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(117, 0,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5986, 8.2869, 59.6508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 0, 207) }
```

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

```
.background{ background-color: rgb(117, 0,  
207) }
```

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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