

Converting Colors

XYZ(19.7740, 8.7508, 66.1221)

Have a look what the booklet for
XYZ(19.7740, 8.7508, 66.1221)
contains.

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Color

**XYZ(19.8605, 8.7917,
66.2958)**

Conversions

Conversions Part 1

Format	Color
Hex	7500D9
RGB	117, 0, 217
RGB Percent	46%, 0%, 85%
CMY	0.5412, 1.0000, 0.1490
CMYK	0.46, 1.00, 0.00, 0.15
HSL	272°, 100%, 43%
HSV	272°, 100%, 85%
XYZ	19.8605, 8.7917, 66.2958
YIQ	59.7210, 0.0750, 92.2910

Conversions

Conversions Part 2

Format	Color
RYB	117, 0, 217
Decimal	7667929
CIELab	35.58, 74.37, -80.58
CIElCh	36, 109.659, 312.706
Yxy	8.7917, 0.2092, 0.0926
Android (android.graphics.Color)	4285858009 (0xFF7500D9)
YUV	59.7210, 77.5385, 50.2337
Hunter-Lab	29.6508, 67.6728, -111.8101

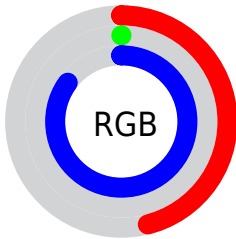
Details

The XYZ color **19.8605, 8.7917, 66.2958** is a dark color, and the websafe version is hex **6600CC**.

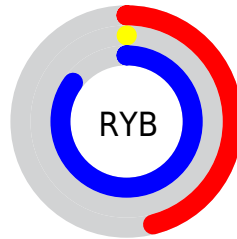
The color can be described as dark washed purple. A complement of this color would be **30.0680, 52.3350, 8.5169**, and the grayscale version is **4.1531, 4.3694, 4.7583**.

A 20% lighter version of the original color is **39.0640, 21.9927, 96.7939**, and **7.7484, 3.2513, 33.9374** is the 20% darker color. If you saturate the color by 10%, you get **19.8611, 8.7920, 66.2961**, and if you desaturate by 10%, it is **21.5586, 10.0845, 66.4561**.

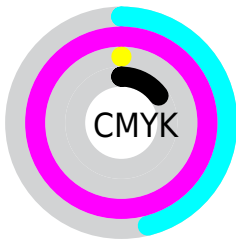
Distribution



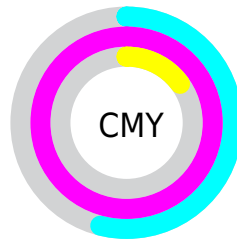
- Red (46%)
- Green (0%)
- Blue (85%)



- Red (46%)
- Yellow (0%)
- Blue (85%)



- Cyan (46%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)



- Cyan (54%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8605, 8.7917, 66.2958 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 19.8605, 8.7917, 66.2958 by changing the saturation by 10% instead.

■ 19.8605, 8.7917,
66.2958

■ 19.8605, 8.7917,
66.2958

244.0069,
181.8163, 465.8671

■ 12.4014, 4.6056,
48.0546

■ 42.6889, 23.4965,
115.5418

■ 7.0918, 2.0177,
33.5098

■ 58.7889, 34.7840,
147.3837

■ 3.5664, 0.6178,
22.2430

■ 78.4998, 49.2073,
184.5962

■ 1.4599, 0.0000,
13.8355

■ 102.1871, 67.1509,
227.5979

■ 0.2983, 0.0000,
7.8689

■ 130.2161, 88.9993,
276.8073


■ 0.0000, 0.0000,
3.9246


■ 162.9522,

■ 0.0000, 0.0000,


115.1367, 332.6429

1.5841


 200.7607,
145.9475, 395.5233


 0.0000, 0.0000,
0.2794


 0.0000, 0.0000,
0.0000

 19.8605, 8.7917,
66.2958


 19.8605, 8.7917,
66.2958

 19.8611, 8.7920,
66.2961

 21.5586, 10.0845,
66.4561

 23.7200, 12.0854,
66.7284

 26.4536, 15.0052,
67.1479

 29.8216, 18.9622,
67.7341

■ 33.8767, 24.0564,
68.5037

■ 38.6656, 30.3757,
69.4710

■ 44.2304, 37.9988,
70.6492

■ 50.6096, 46.9981,
72.0500

■ 57.8392, 57.4402,
73.6844

Harmonies

Analogous

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



11.3814, 8.7917, 102.3307



19.8605, 8.7917, 66.2958



26.5943, 8.7917, 24.4304

Triad

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



19.8605, 8.7917, 66.2958



12.5974, 8.7917, 0.0000



1.1672, 8.7917, 19.6643

Complementary

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



19.8605, 8.7917, 66.2958



30.0680, 52.3350, 8.5169

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.



1.2375, 8.7917, 2.4329



19.8605, 8.7917, 66.2958



5.9211, 8.7917, 0.0000

Square

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



19.8605, 8.7917, 66.2958



21.1335, 8.7917, 0.0000



2.4627, 8.7917, 0.0000



2.1655, 8.7917, 59.2748

Rectangle

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



19.8605, 8.7917, 66.2958



27.7915, 8.7917, 7.9965



2.4627, 8.7917, 0.0000



1.0911, 8.7917, 11.3434

Sweetspot

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



19.8611, 8.7920, 66.2961



63.5090, 54.4365, 101.7677



17.2041, 14.3690, 67.5126



12.8361, 10.6054, 21.6205



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.



19.8611, 8.7920, 66.2961



28.4476, 12.5802, 95.5366



40.2192, 19.3933, 62.4441



13.0060, 12.9612, 16.4684



12.1461, 5.3857, 40.1378



0.8859, 0.4000, 2.6050

Inverse Universe

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



30.9154, 15.6718, 13.4511



44.4808, 22.5563, 18.9956



24.8526, 49.6417, 8.4797



13.3044, 13.1509, 14.8641



18.7666, 9.5077, 8.4170



1.2590, 0.6332, 0.7727

Previews

White Background



This preview shows how the XYZ color 19.8605, 8.7917, 66.2958 looks on a white background.

Color Contrast Check

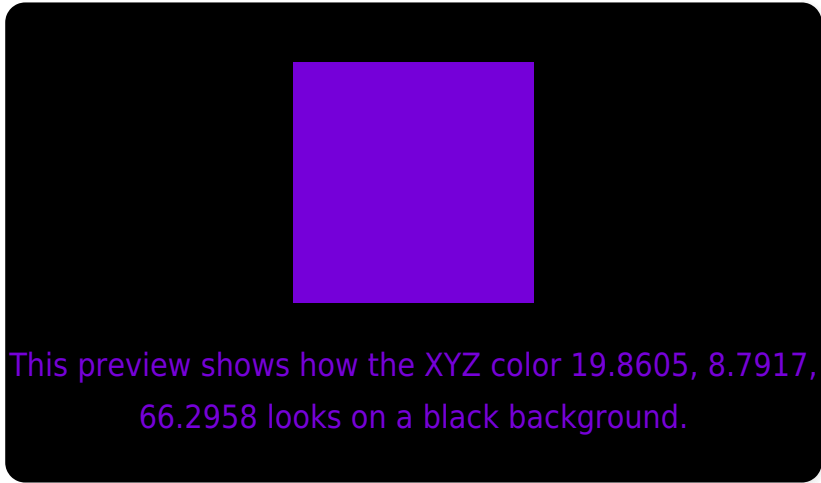
Large Text (above 18pt) WCAG AA ✓ Pass

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

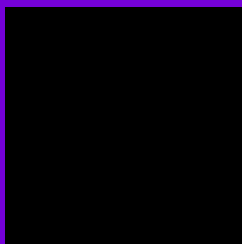
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.8605, 8.7917, 66.2958

Background



This preview shows how black text looks on a background with the XYZ color 19.8605, 8.7917, 66.2958.



This preview shows how white text looks on a background with the XYZ color 19.8605, 8.7917,

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

19.8605, 8.7917, 66.2958

Protanopia

10.7332, 9.2425, 41.2627

Deuteranopia

8.9145, 9.1494, 29.7299



Tritanopia

8.9746, 9.2308, 11.2062

Trichromacy



Original Color

19.8605, 8.7917, 66.2958

Protanomaly

11.5636, 6.7775, 49.4139

Deuteranomaly

10.0504, 6.3979, 40.7496

Tritanomaly

10.7643, 6.9859, 24.4480

Monochromacy



Original Color

19.8605, 8.7917, 66.2958

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.2973, 4.4199, 17.2981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8605, 8.7917, 66.2958 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(117, 0, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 0, 217) }
```

Border

The CSS property to change the border of an element to XYZ 19.8605, 8.7917, 66.2958 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, 217) }
```


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

```
.border{ border-color:rgb(117, 0, 217) }
```

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, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(117, 0,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8605, 8.7917, 66.2958 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, 217) }
```

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

```
.background{ background-color: rgb(117, 0,  
217) }
```

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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