

Converting Colors

XYZ(17.0587, 7.7046, 50.0226)

Have a look what the booklet for
XYZ(17.0587, 7.7046, 50.0226)
contains.

XYZ(17.0117, 7.6835, 49.8767)	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(17.0117, 7.6835,
49.8767)**

Conversions

Conversions Part 1

Format	Color
Hex	7700BF
RGB	119, 0, 191
RGB Percent	47%, 0%, 75%
CMY	0.5333, 1.0000, 0.2510
CMYK	0.38, 1.00, 0.00, 0.25
HSL	277°, 100%, 37%
HSV	277°, 100%, 75%
XYZ	17.0117, 7.6835, 49.8767
YIQ	57.3550, 9.6130, 84.6290

Conversions

Conversions Part 2

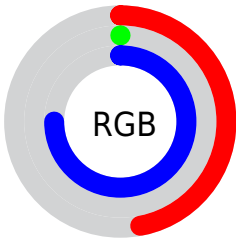
Format	Color
R_{YB}	119, 0, 191
Decimal	7798975
CIE _{Lab}	33.31, 69.21, -69.15
CIE _{LCh}	33, 97.836, 315.027
Yxy	7.6835, 0.2281, 0.1030
Android (android.graphics.Color)	4285989055 (0xFF7700BF)
YUV	57.3550, 65.8870, 54.0627
Hunter-Lab	27.7191, 61.0400, -87.2807

Details

The XYZ color **17.0117, 7.6835, 49.8767** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **21.3032, 38.6394, 6.3354**, and the grayscale version is **3.8511, 4.0517, 4.4123**.

A 20% lighter version of the original color is **37.9751, 21.3367, 91.7394**, and **6.2476, 2.7074, 23.4858** is the 20% darker color. If you saturate the color by 10%, you get **17.0122, 7.6838, 49.8769**, and if you desaturate by 10%, it is **18.2727, 8.6818, 50.0031**.

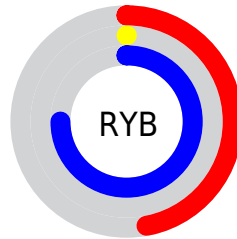
Distribution



Red (47%)

Green (0%)

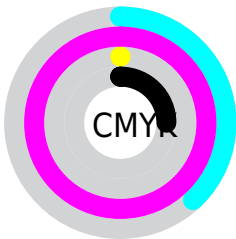
Blue (75%)



Red (47%)

Yellow (0%)

Blue (75%)

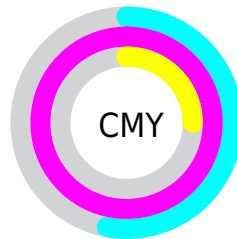


Cyan (38%)

Magenta (100%)

Yellow (0%)

Black (25%)



Cyan (53%)

Magenta (100%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0117, 7.6835, 49.8767 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 17.0117, 7.6835, 49.8767 by changing the saturation by 10% instead.

■ 17.0117, 7.6835,
49.8767

■ 17.0117, 7.6835,
49.8767

228.3947,
173.2281, 402.9048

■ 10.3382, 3.8931,
34.9449

■ 37.8893, 21.3356,
91.3866

■ 5.6877, 1.6139,
23.3373

■ 52.8242, 31.9661,
118.8018

■ 2.6950, 0.3670,
14.6351

■ 71.2435, 45.6454,
151.2152

■ 0.9946, 0.0000,
8.4199

■ 93.5126, 62.7579,
189.0454

■ 0.0000, 0.0000,
4.2732

■ 119.9970, 83.6881,
232.7110


■ 0.0000, 0.0000,
1.7764


■ 151.0619,

■ 0.0000, 0.0000,

108.8202, 282.6303


0.4123

 187.0727,
138.5387, 339.2221


 0.0000, 0.0000,
0.0000


 17.0117, 7.6835,
49.8767


 17.0117, 7.6835,
49.8767


 17.0122, 7.6838,
49.8769

 18.2727, 8.6818,
50.0031

 19.8401, 10.1800,
50.2097

 21.7990, 12.3455,
50.5244

 24.1931, 15.2632,
50.9614

 27.0593, 19.0052,
51.5326

■ 30.4305, 23.6346,
52.2485

■ 34.3361, 29.2085,
53.1185

■ 38.8033, 35.7791,
54.1513

■ 43.8570, 43.3945,
55.3549

Harmonies

Analogous

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



10.2419, 7.6835, 78.7372



17.0117, 7.6835, 49.8767



22.0180, 7.6835, 18.2653

Triad

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



17.0117, 7.6835, 49.8767



10.2303, 7.6835, 0.0000



1.2517, 7.6835, 18.3100

Complementary

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



17.0117, 7.6835, 49.8767



21.3032, 38.6394, 6.3354

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.



1.2509, 7.6835, 2.9031



17.0117, 7.6835, 49.8767



4.9880, 7.6835, 0.0000

Square

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



17.0117, 7.6835, 49.8767



16.9998, 7.6835, 0.0000



2.2399, 7.6835, 0.0000



2.2430, 7.6835, 49.9407

Rectangle

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



17.0117, 7.6835, 49.8767



22.6576, 7.6835, 6.0819



2.2399, 7.6835, 0.0000



1.1596, 7.6835, 11.1605

Sweetspot

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



17.0122, 7.6838, 49.8769



61.1414, 51.7987, 95.0548



11.8008, 8.5552, 50.3198



12.7484, 10.3998, 20.7207



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.0122, 7.6838, 49.8769



30.1903, 13.6180, 89.3165



28.6208, 13.9304, 38.5773



9.5720, 9.5117, 12.0037



11.2718, 5.0969, 32.7826



0.5119, 0.2359, 1.2874

Inverse Universe

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



22.6556, 11.5443, 7.1646



40.4677, 20.6324, 12.2609



18.7785, 37.3208, 6.9874



9.6749, 9.5943, 10.6772



14.9252, 7.6012, 4.8997



0.6166, 0.3106, 0.3605

Previews

White Background



This preview shows how the XYZ color 17.0117, 7.6835, 49.8767 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

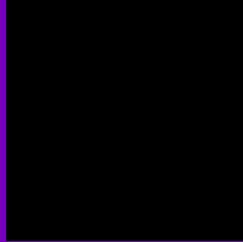
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.0117, 7.6835, 49.8767

Background



This preview shows how black text looks on a background with the XYZ color 17.0117, 7.6835, 49.8767.



This preview shows how white text looks on a background with the XYZ color 17.0117, 7.6835,

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

17.0117, 7.6835, 49.8767

Protanopia

9.4252, 8.1291, 36.1943

Deuteranopia

7.9010, 8.1096, 26.3482



Tritanopia

8.8938, 8.1527, 8.6943

Trichromacy



Original Color

17.0117, 7.6835, 49.8767



Protanomaly

9.7768, 5.8508, 40.6584



Deuteranomaly

8.5274, 5.5630, 33.4252



Tritanomaly

10.2728, 6.4732, 18.4773

Monochromacy



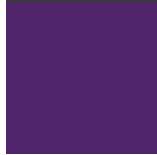
Original Color

17.0117, 7.6835, 49.8767



Achromatopsia

3.8890, 4.0915, 4.4557



Achromatomaly

6.5407, 4.0078, 14.0645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0117, 7.6835, 49.8767 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(119, 0, 191)` looks like.

```
.text, #text, p{  
  color:rgb(119, 0, 191)  
}
```

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(119, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 17.0117, 7.6835, 49.8767 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(119, 0, 191) }
```


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

```
.border{ border-color:rgb(119, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(119, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(119, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0117, 7.6835, 49.8767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 0, 191) }
```

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

```
.background{ background-color: rgb(119, 0,  
191) }
```

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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