

Converting Colors

XYZ(17.3931, 11.6948, 33.6875)

Have a look what the booklet for
XYZ(17.3931, 11.6948, 33.6875)
contains.

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Color

**XYZ(17.3910, 11.6925,
33.6880)**

Conversions

Conversions Part 1

Format	Color
Hex	80489E
RGB	128, 72, 158
RGB Percent	50%, 28%, 62%
CMY	0.4980, 0.7176, 0.3804
CMYK	0.19, 0.54, 0.00, 0.38
HSL	279°, 37%, 45%
HSV	279°, 54%, 62%
XYZ	17.3910, 11.6925, 33.6880
YIQ	98.5480, 5.7700, 38.6180

Conversions

Conversions Part 2

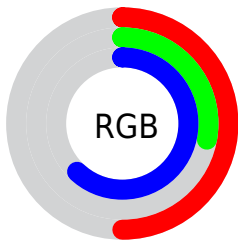
Format	Color
R_{YB}	128, 72, 158
Decimal	8407198
CIE _{Lab}	40.72, 39.36, -37.47
CIE _{LCh}	41, 54.345, 316.408
Yxy	11.6925, 0.2771, 0.1863
Android (android.graphics.Color)	4286597278 (0xFF80489E)
YUV	98.5480, 29.3098, 25.8294
Hunter-Lab	34.1943, 30.9439, -34.4761

Details

The XYZ color **17.3910, 11.6925, 33.6880** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **18.8763, 27.7466, 10.4920**, and the grayscale version is **11.6745, 12.2825, 13.3756**.

A 20% lighter version of the original color is **38.6216, 29.0373, 66.5200**, and **5.8884, 3.1899, 13.9410** is the 20% darker color. If you saturate the color by 10%, you get **15.6912, 9.4901, 33.3527**, and if you desaturate by 10%, it is **19.3992, 14.4441, 34.1135**.

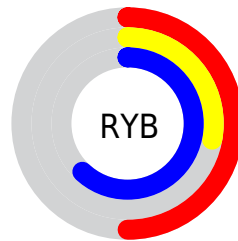
Distribution



Red (50%)

Green (28%)

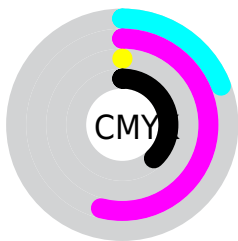
Blue (62%)



Red (50%)

Yellow (28%)

Blue (62%)

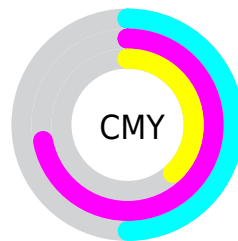


Cyan (19%)

Magenta (54%)

Yellow (0%)

Black (38%)



Cyan (50%)

Magenta (72%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3910, 11.6925, 33.6880 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 17.3910, 11.6925, 33.6880 by changing the saturation by 10% instead.

■ 17.3910, 11.6925,
33.6880

■ 17.3910, 11.6925,
33.6880

230.5282,
202.3588, 333.4652

■ 10.6107, 6.5347,
22.3786

■ 38.5351, 28.9338,
66.5765

■ 5.8710, 3.1728,
13.9344

■ 53.6296, 41.7861,
88.9927

■ 2.8067, 1.2226,
7.9368

■ 72.2262, 57.9719,
115.9483

■ 1.0524, 0.0801,
3.9673

■ 94.6903, 77.8757,
147.8617

■ 0.0000, 0.0000,
1.6074

■ 121.3871,
101.8819, 185.1516

■ 0.0000, 0.0000,
0.2961

152.6822,

■ 0.0000, 0.0000,

130.3749, 228.2364

0.0000

188.9407,
163.7391, 277.5348

■ 17.3910, 11.6925,
33.6880

■ 17.3910, 11.6925,
33.6880

■ 15.6912, 9.4901,
33.3527

■ 19.3992, 14.4441,
34.1135

■ 14.2773, 7.7939,
33.0998

■ 21.7336, 17.7805,
34.6344

■ 13.1253, 6.5569,
32.9218

■ 24.4119, 21.7359,
35.2567

■ 12.2057, 5.7212,
32.8089

■ 27.4503, 26.3416,
35.9856

■ 11.7520, 5.3454,
32.7603

■ 30.8637, 31.6266,
36.8258

■ 34.6663, 37.6181,
37.7818

■ 38.8714, 44.3419,
38.8580

■ 43.4916, 51.8223,
40.0584

■ 48.5390, 60.0826,
41.3868

Harmonies

Analogous

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



13.3409, 11.6925, 45.8706



17.3910, 11.6925, 33.6880



19.9846, 11.6925, 18.3984

Triad

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



17.3910, 11.6925, 33.6880



12.9474, 11.6925, 1.2383



5.4126, 11.6925, 19.7165

Complementary

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



17.3910, 11.6925, 33.6880



18.8763, 27.7466, 10.4920

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.



5.3545, 11.6925, 8.3665



17.3910, 11.6925, 33.6880



9.1487, 11.6925, 1.2962

Square

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



17.3910, 11.6925, 33.6880



17.0462, 11.6925, 2.7162



6.5638, 11.6925, 2.9882



6.7468, 11.6925, 35.1187

Rectangle

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



17.3910, 11.6925, 33.6880



20.2240, 11.6925, 10.5063



6.5638, 11.6925, 2.9882



5.2560, 11.6925, 15.2498

Sweetspot

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



17.3915, 11.6930, 33.6883



48.7589, 46.1681, 65.0849



13.6056, 13.3691, 34.2113



10.7467, 10.0339, 14.6140



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.3915, 11.6930, 33.6883



27.9846, 16.6001, 60.4726



21.5367, 13.9516, 28.3866



6.6794, 6.6387, 8.3360



9.4557, 4.3036, 26.2395



0.2131, 0.0996, 0.4712

Inverse Universe

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



18.8164, 12.8635, 14.0617



31.2802, 19.2082, 19.5511



16.5354, 26.4860, 12.8147



6.7238, 6.6825, 7.3968



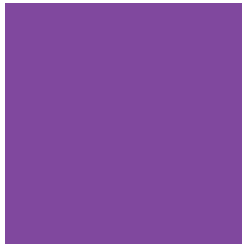
11.8648, 6.0505, 3.5390



0.2312, 0.1158, 0.1634

Previews

White Background



This preview shows how the XYZ color 17.3910, 11.6925, 33.6880 looks on a white background.

Color Contrast Check

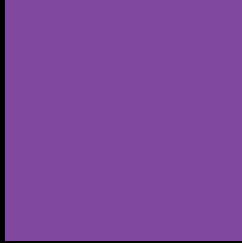
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 17.3910, 11.6925, 33.6880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

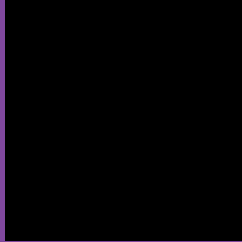
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.3910, 11.6925, 33.6880

Background



This preview shows how black text looks on a background with the XYZ color 17.3910, 11.6925, 33.6880.



This preview shows how white text looks on a background with the XYZ color 17.3910, 11.6925,

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

17.3910, 11.6925, 33.6880

Protanopia

13.5556, 11.9901, 44.2477

Deuteranopia

12.1388, 11.9393, 31.8017



Tritanopia

13.0265, 11.6572, 12.3900

Trichromacy



Original Color

17.3910, 11.6925, 33.6880

Protanomaly

13.9867, 11.3013, 39.9723

Deuteranomaly

13.3366, 11.3722, 32.5025

Tritanomaly

14.3133, 11.4802, 18.6010

Monochromacy



Original Color

17.3910, 11.6925, 33.6880

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.3930, 11.8158, 19.3441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3910, 11.6925, 33.6880 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(128, 72, 158)` looks like.

```
.text, #text, p{  
    color:rgb(128, 72, 158)  
}
```

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(128, 72, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 72, 158) }
```

Border

The CSS property to change the border of an element to XYZ 17.3910, 11.6925, 33.6880 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(128, 72, 158) }
```


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

```
.border{ border-color:rgb(128, 72, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 72, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 72, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 72, 158);  
box-shadow:4px 4px 4px 4px rgb(128, 72,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3910, 11.6925, 33.6880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 72, 158) }
```

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

```
.background{ background-color: rgb(128, 72,  
158) }
```

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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