

Converting Colors

XYZ(17.9910, 11.5916, 53.0965)

Have a look what the booklet for
XYZ(17.9910, 11.5916, 53.0965)
contains.

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Color

**XYZ(17.9934, 11.5781,
52.9162)**

Conversions

Conversions Part 1

Format	Color
Hex	6948C3
RGB	105, 72, 195
RGB Percent	41%, 28%, 76%
CMY	0.5882, 0.7176, 0.2353
CMYK	0.46, 0.63, 0.00, 0.24
HSL	256°, 51%, 52%
HSV	256°, 63%, 76%
XYZ	17.9934, 11.5781, 52.9162
YIQ	95.8890, -19.8150, 45.2490

Conversions

Conversions Part 2

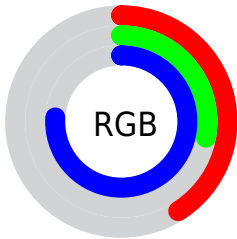
Format	Color
R _Y B	105, 72, 195
Decimal	6899907
CIE Lab	40.54, 43.40, -59.76
CIE LCh	41, 73.861, 305.987
Yxy	11.5781, 0.2181, 0.1404
Android (android.graphics.Color)	4285089987 (0xFF6948C3)
YUV	95.8890, 48.8617, 7.9903
Hunter-Lab	34.0266, 34.8449, -68.3857

Details

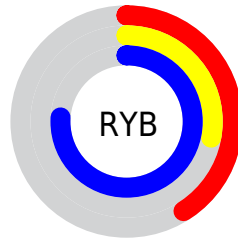
The XYZ color **17.9934, 11.5781, 52.9162** is a dark color, and the websafe version is hex **663399**. The color can be described as dark muted purple. A complement of this color would be **35.5845, 47.1793, 13.3620**, and the grayscale version is **10.9807, 11.5526, 12.5807**.

A 20% lighter version of the original color is **39.4305, 28.6287, 95.5431**, and **6.1424, 3.1046, 25.0864** is the 20% darker color. If you saturate the color by 10%, you get **15.3893, 8.6518, 52.4889**, and if you desaturate by 10%, it is **21.2795, 15.4494, 53.4905**.

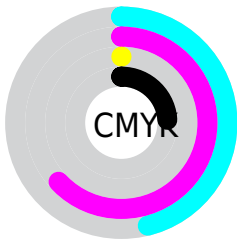
Distribution



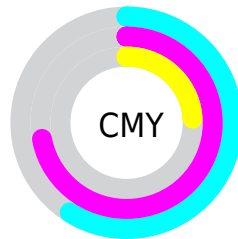
- Red (41%)
- Green (28%)
- Blue (76%)



- Red (41%)
- Yellow (28%)
- Blue (76%)



- Cyan (46%)
- Magenta (63%)
- Yellow (0%)
- Black (24%)



- Cyan (59%)
- Magenta (72%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9934, 11.5781, 52.9162 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 17.9934, 11.5781, 52.9162 by changing the saturation by 10% instead.

■ 17.9934, 11.5781,
52.9162

■ 17.9934, 11.5781,
52.9162

233.8801,
201.5918, 415.0207

■ 11.0449, 6.4571,
37.3486

■ 39.5562, 28.7243,
95.9213

■ 6.1646, 3.1250,
25.1796

■ 54.9013, 41.5183,
124.1960

■ 2.9870, 1.1973,
15.9907

■ 73.7760, 57.6388,
157.5434

■ 1.1469, 0.0595,
9.3633

■ 96.5455, 77.4701,
196.3821

■ 0.0638, 0.0000,
4.8789

■ 123.5754,
101.3967, 241.1306

■ 0.0000, 0.0000,
2.1189

155.2308,

■ 0.0000, 0.0000,

129.8029, 292.2075

0.6270

191.8773,
163.0732, 350.0314

■ 0.0000, 0.0000,
0.0000

■ 17.9934, 11.5781,
52.9162

■ 17.9934, 11.5781,
52.9162

■ 15.3893, 8.6518,
52.4889

■ 21.2795, 15.4494,
53.4905

■ 13.4121, 6.5837,
52.1939

■ 25.2932, 20.3397,
54.2229

■ 12.0000, 5.2716,
52.0151

■ 30.0777, 26.3169,
55.1244

■ 11.2832, 4.6788,
51.9384

■ 35.6724, 33.4423,
56.2049

■ 42.1138, 41.7729,
57.4734

■ 49.4362, 51.3616,
58.9382

■ 57.6718, 62.2583,
60.6075

■ 66.8514, 74.5102,
62.4885

■ 77.0041, 88.1618,
64.5884

Harmonies

Analogous

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



12.0816, 11.5781, 67.9792



17.9934, 11.5781, 52.9162



22.9086, 11.5781, 28.2340

Triad

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



17.9934, 11.5781, 52.9162



15.5995, 11.5781, 0.1695



3.7515, 11.5781, 15.8377

Complementary

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



17.9934, 11.5781, 52.9162



35.5845, 47.1793, 13.3620

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.



4.1615, 11.5781, 4.1711



17.9934, 11.5781, 52.9162



9.9937, 11.5781, 0.0000

Square

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



17.9934, 11.5781, 52.9162



21.2490, 11.5781, 2.1525



6.1101, 11.5781, 0.7080



4.7315, 11.5781, 38.0547

Rectangle

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



17.9934, 11.5781, 52.9162



24.3081, 11.5781, 14.7205



6.1101, 11.5781, 0.7080



3.7368, 11.5781, 10.7054

Sweetspot

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



17.9940, 11.5785, 52.9165



68.0712, 65.2794, 101.4822



25.4786, 31.2292, 56.3150



14.1966, 13.3804, 22.0844



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.



17.9940, 11.5785, 52.9165



25.9798, 13.7998, 93.7641



27.9567, 16.7144, 53.3827



9.7762, 9.8758, 12.6758



7.4029, 3.0768, 33.7603



0.3880, 0.1680, 1.4619

Inverse Universe

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



31.3445, 18.8455, 36.1664



52.4939, 28.2888, 57.9328



26.0183, 42.2477, 12.9143



10.3782, 10.1999, 12.0822



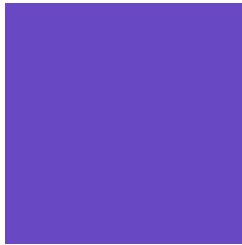
17.8705, 8.8379, 17.7618



0.7995, 0.3928, 0.9118

Previews

White Background



This preview shows how the XYZ color 17.9934, 11.5781, 52.9162 looks on a white background.

Color Contrast Check

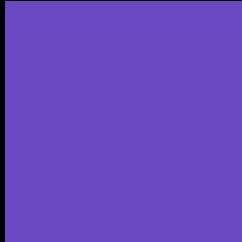
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9934, 11.5781, 52.9162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

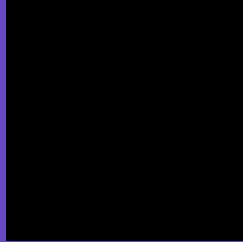
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.9934, 11.5781, 52.9162

Background



This preview shows how black text looks on a background with the XYZ color 17.9934, 11.5781, 52.9162.



This preview shows how white text looks on a background with the XYZ color 17.9934, 11.5781,

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

17.9934, 11.5781, 52.9162

Protanopia

13.6775, 11.5944, 53.1468

Deuteranopia

11.6234, 11.6376, 39.6639



Tritanopia

10.3625, 11.5253, 15.3141

Trichromacy



Original Color

17.9934, 11.5781, 52.9162

Protanomaly

13.8982, 10.8492, 52.9914

Deuteranomaly

12.5084, 10.8115, 44.0754

Tritanomaly

12.3763, 11.1534, 25.5453

Monochromacy



Original Color

17.9934, 11.5781, 52.9162

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.7186, 11.1350, 23.3087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9934, 11.5781, 52.9162 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(105, 72, 195)` looks like.

```
.text, #text, p{  
    color:rgb(105, 72, 195)  
}
```

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(105, 72, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 72, 195) }
```

Border

The CSS property to change the border of an element to XYZ 17.9934, 11.5781, 52.9162 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(105, 72, 195) }
```


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

```
.border{ border-color:rgb(105, 72, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 72, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 72, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 72, 195); box-shadow:4px 4px 4px 4px rgb(105, 72, 195) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9934, 11.5781, 52.9162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 72, 195) }
```

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

```
.background{ background-color: rgb(105, 72,  
195) }
```

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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