

Converting Colors

XYZ(17.8700, 11.9583, 30.3675)

Have a look what the booklet for
XYZ(17.8700, 11.9583, 30.3675)
contains.

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Color

**XYZ(17.7499, 11.8594,
30.2077)**

Conversions

Conversions Part 1

Format	Color
Hex	874796
RGB	135, 71, 150
RGB Percent	53%, 28%, 59%
CMY	0.4706, 0.7216, 0.4118
CMYK	0.10, 0.53, 0.00, 0.41
HSL	289°, 36%, 43%
HSV	289°, 53%, 59%
XYZ	17.7499, 11.8594, 30.2077
YIQ	99.1420, 12.7850, 38.1370

Conversions

Conversions Part 2

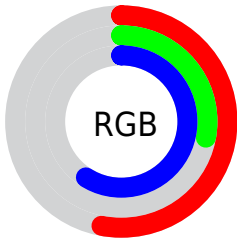
Format	Color
R_{YB}	135, 71, 150
Decimal	8865686
CIE _{Lab}	40.99, 40.14, -32.18
CIE _{LCh}	41, 51.448, 321.282
Yxy	11.8594, 0.2967, 0.1983
Android (android.graphics.Color)	4287055766 (0xFF874796)
YUV	99.1420, 25.0730, 31.4475
Hunter-Lab	34.4375, 31.7376, -27.9015

Details

The XYZ color **17.7499, 11.8594, 30.2077** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.8818, 24.2463, 9.8048**, and the grayscale version is **11.8325, 12.4487, 13.5566**.

A 20% lighter version of the original color is **39.2142, 29.2740, 61.3412**, and **6.0876, 3.2762, 12.1159** is the 20% darker color. If you saturate the color by 10%, you get **16.4590, 9.9486, 29.9071**, and if you desaturate by 10%, it is **19.2894, 14.2486, 30.5879**.

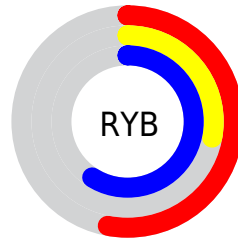
Distribution



Red (53%)

Green (28%)

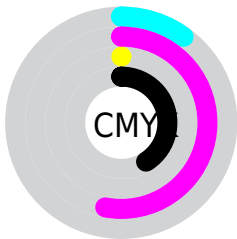
Blue (59%)



Red (53%)

Yellow (28%)

Blue (59%)

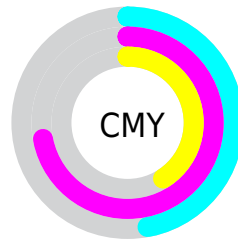


Cyan (10%)

Magenta (53%)

Yellow (0%)

Black (41%)



Cyan (47%)

Magenta (72%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7499, 11.8594, 30.2077 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 17.7499, 11.8594, 30.2077 by changing the saturation by 10% instead.

■ 17.7499, 11.8594,
30.2077

■ 17.7499, 11.8594,
30.2077

232.5305,
203.4723, 317.1088

■ 10.8692, 6.6480,
19.7429

■ 39.1441, 29.2388,
61.0554

■ 6.0456, 3.2430,
12.0261

■ 54.3883, 42.1755,
82.2753

■ 2.9137, 1.2599,
6.6387

■ 73.1511, 58.4562,
107.9174

■ 1.1083, 0.1098,
3.1622

■ 95.7978, 78.4652,
138.4002

■ 0.0321, 0.0000,
1.1780

■ 122.6937,
102.5869, 174.1422

■ 0.0000, 0.0000,
0.0000

154.2042,

131.2058, 215.5619

190.6947,
164.7061, 263.0779

■ 17.7499, 11.8594,
30.2077

■ 17.7499, 11.8594,
30.2077

■ 16.4590, 9.9486,
29.9071

■ 19.2894, 14.2486,
30.5879

■ 15.3977, 8.4792,
29.6794

■ 21.0921, 17.1463,
31.0522

■ 14.5462, 7.4114,
29.5182

■ 23.1732, 20.5820,
31.6057

■ 13.8805, 6.6974,
29.4155

■ 25.5459, 24.5827,
32.2528

■ 13.4632, 6.3046,
29.3616

■ 28.2230, 29.1732,
32.9978

■ 31.2162, 34.3771,
33.8445

■ 34.5367, 40.2165,
34.7966

■ 38.1951, 46.7126,
35.8577

■ 42.2015, 53.8855,
37.0310

Harmonies

Analogous

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



14.0429, 11.8594, 42.5325



17.7499, 11.8594, 30.2077



19.8215, 11.8594, 16.2375

Triad

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



17.7499, 11.8594, 30.2077



12.3799, 11.8594, 1.4502



5.8769, 11.8594, 21.7625

Complementary

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



17.7499, 11.8594, 30.2077



15.8818, 24.2463, 9.8048

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.



5.6208, 11.8594, 10.0762



17.7499, 11.8594, 30.2077



8.8919, 11.8594, 1.7344

Square

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



17.7499, 11.8594, 30.2077



16.3074, 11.8594, 2.6721



6.6000, 11.8594, 3.9275



7.3972, 11.8594, 36.0835

Rectangle

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



17.7499, 11.8594, 30.2077



19.7414, 11.8594, 9.3373



6.6000, 11.8594, 3.9275



5.6555, 11.8594, 17.3014

Sweetspot

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



17.7503, 11.8599, 30.2080



43.4929, 40.6869, 56.4823



11.4961, 10.3262, 30.2416



9.4675, 8.7280, 12.4705



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



17.7503, 11.8599, 30.2080



28.7250, 17.0979, 52.7075



18.6166, 12.5051, 21.2733



5.9285, 5.8541, 7.2872



11.1913, 5.2419, 24.3530



0.1593, 0.0757, 0.2991

Inverse Universe

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



16.5110, 11.6629, 10.1856



26.5557, 16.8639, 12.6553



15.5572, 23.9734, 14.5631



5.8431, 5.8323, 6.2801



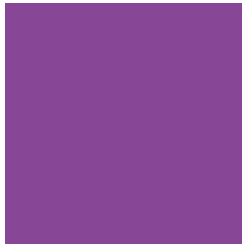
10.6197, 5.4530, 1.4786



0.1383, 0.0701, 0.0618

Previews

White Background



This preview shows how the XYZ color 17.7499, 11.8594, 30.2077 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 17.7499, 11.8594, 30.2077 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 17.7499, 11.8594, 30.2077

Background



This preview shows how black text looks on a background with the XYZ color 17.7499, 11.8594, 30.2077.



This preview shows how white text looks on a background with the XYZ color 17.7499, 11.8594,

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

17.7499, 11.8594, 30.2077

Protanopia

13.4295, 12.1488, 40.1652

Deuteranopia

12.2872, 12.0896, 28.4740



Tritanopia

14.0120, 11.9403, 11.6914

Trichromacy



Original Color

17.7499, 11.8594, 30.2077

Protanomaly

14.0585, 11.4238, 36.1144

Deuteranomaly

13.6859, 11.6274, 29.1268

Tritanomaly

15.1290, 11.8229, 17.1075

Monochromacy



Original Color

17.7499, 11.8594, 30.2077

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.5245, 11.8975, 18.7232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7499, 11.8594, 30.2077 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(135, 71, 150)` looks like.

```
.text, #text, p{  
    color:rgb(135, 71, 150)  
}
```

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(135, 71, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 71, 150) }
```

Border

The CSS property to change the border of an element to XYZ 17.7499, 11.8594, 30.2077 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(135, 71, 150) }
```


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

```
.border{ border-color:rgb(135, 71, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 71, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 71, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 71, 150);  
box-shadow:4px 4px 4px 4px rgb(135, 71,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7499, 11.8594, 30.2077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 71, 150) }
```

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

```
.background{ background-color: rgb(135, 71,  
150) }
```

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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