

Converting Colors

XYZ(17.6747, 11.6911, 38.4609)

Have a look what the booklet for
XYZ(17.6747, 11.6911, 38.4609)
contains.

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Color

**XYZ(17.6974, 11.7470,
38.3804)**

Conversions

Conversions Part 1

Format	Color
Hex	7C48A8
RGB	124, 72, 168
RGB Percent	49%, 28%, 66%
CMY	0.5137, 0.7176, 0.3412
CMYK	0.26, 0.57, 0.00, 0.34
HSL	273°, 40%, 47%
HSV	273°, 57%, 66%
XYZ	17.6974, 11.7470, 38.3804
YIQ	98.4920, 0.1760, 40.8800

Conversions

Conversions Part 2

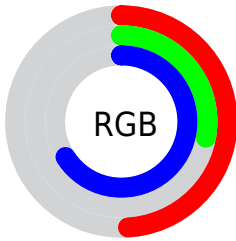
Format	Color
RYB	124, 72, 168
Decimal	8145064
CIELab	40.81, 40.64, -43.33
CIELCh	41, 59.404, 313.164
Yxy	11.7470, 0.2609, 0.1732
Android (android.graphics.Color)	4286335144 (0xFF7C48A8)
YUV	98.4920, 34.2674, 22.3705
Hunter-Lab	34.2739, 32.1895, -42.4021

Details

The XYZ color **17.6974, 11.7470, 38.3804** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **22.3751, 32.1864, 11.1646**, and the grayscale version is **11.6496, 12.2563, 13.3472**.

A 20% lighter version of the original color is **39.1279, 29.1314, 74.0817**, and **5.9994, 3.1902, 16.5192** is the 20% darker color. If you saturate the color by 10%, you get **15.6864, 9.3125, 38.0167**, and if you desaturate by 10%, it is **20.0930, 14.8206, 38.8476**.

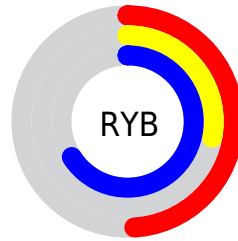
Distribution



Red (49%)

Green (28%)

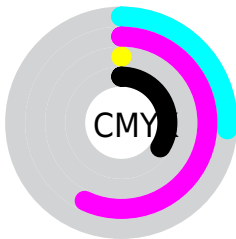
Blue (66%)



Red (49%)

Yellow (28%)

Blue (66%)

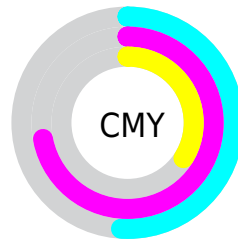


Cyan (26%)

Magenta (57%)

Yellow (0%)

Black (34%)



Cyan (51%)

Magenta (72%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6974, 11.7470, 38.3804 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 17.6974, 11.7470, 38.3804 by changing the saturation by 10% instead.

■ 17.6974, 11.7470,
38.3804

■ 17.6974, 11.7470,
38.3804

232.2386,
202.7231, 354.5960

■ 10.8313, 6.5716,
25.9739

■ 39.0552, 29.0335,
73.9007

■ 6.0200, 3.1957,
16.5786

■ 54.2776, 41.9134,
97.8516

■ 2.8980, 1.2347,
9.7757

■ 73.0161, 58.1303,
126.4878

■ 1.1001, 0.0898,
5.1468

■ 95.6362, 78.0685,
160.2277

■ 0.0252, 0.0000,
2.2734

■ 122.5031,
102.1125, 199.4899

■ 0.0000, 0.0000,
0.7163

153.9822,

■ 0.0000, 0.0000,

130.6467, 244.6930

0.0000

190.4389,

164.0554, 296.2555

■ 17.6974, 11.7470,
38.3804

■ 17.6974, 11.7470,
38.3804

■ 15.6864, 9.3125,
38.0167

■ 20.0930, 14.8206,
38.8476

■ 14.0318, 7.4653,
37.7474

■ 22.8958, 18.5771,
39.4250

■ 12.7031, 6.1469,
37.5629

■ 26.1279, 23.0578,
40.1195

■ 11.6547, 5.2691,
37.4487

■ 29.8094, 28.3001,
40.9373

■ 11.3824, 5.0514,
37.4211

■ 33.9592, 34.3391,
41.8842

■ 38.5949, 41.2073,
42.9656

■ 43.7330, 48.9356,
44.1865

■ 49.3893, 57.5533,
45.5518

■ 55.5791, 67.0881,
47.0659

Harmonies

Analogous

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



13.1199, 11.7470, 51.4659



17.6974, 11.7470, 38.3804



20.8882, 11.7470, 20.7838

Triad

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



17.6974, 11.7470, 38.3804



13.6879, 11.7470, 0.9442



4.9748, 11.7470, 18.8561

Complementary

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



17.6974, 11.7470, 38.3804



22.3751, 32.1864, 11.1646

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.



5.0538, 11.7470, 7.1650



17.6974, 11.7470, 38.3804



9.4150, 11.7470, 0.8754

Square

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



17.6974, 11.7470, 38.3804



18.2026, 11.7470, 2.5622



6.4779, 11.7470, 2.2179



6.2252, 11.7470, 36.2285

Rectangle

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



17.6974, 11.7470, 38.3804



21.4024, 11.7470, 11.5485



6.4779, 11.7470, 2.2179



4.8584, 11.7470, 14.1185

Sweetspot

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



17.6979, 11.7475, 38.3807



53.9724, 51.1803, 74.2592



16.0788, 16.8814, 39.4570



11.4735, 10.7382, 16.1201



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.6979, 11.7475, 38.3807



27.4597, 15.7415, 68.8162



25.2394, 15.6693, 37.1964



7.5054, 7.4932, 9.4691



8.6552, 3.8454, 28.2615



0.2685, 0.1234, 0.6903

Inverse Universe

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



21.6185, 14.2209, 18.1289



35.9094, 21.0546, 25.9648



17.9523, 29.8940, 11.5169



7.6687, 7.5974, 8.5728



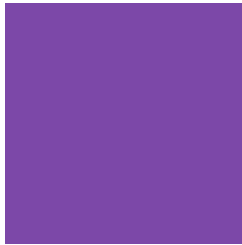
13.2316, 6.7013, 6.0309



0.3479, 0.1734, 0.2836

Previews

White Background



This preview shows how the XYZ color 17.6974, 11.7470, 38.3804 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 17.6974, 11.7470, 38.3804 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 17.6974, 11.7470, 38.3804

Background



This preview shows how black text looks on a background with the XYZ color 17.6974, 11.7470, 38.3804.



This preview shows how white text looks on a background with the XYZ color 17.6974, 11.7470,

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

17.6974, 11.7470, 38.3804

Protanopia

13.9716, 11.9397, 50.2834

Deuteranopia

12.2009, 11.8718, 36.2988



Tritanopia

12.6278, 11.8088, 13.1690

Trichromacy



Original Color

17.6974, 11.7470, 38.3804

Protanomaly

14.1462, 11.1396, 45.6605

Deuteranomaly

13.3418, 11.2738, 37.0702

Tritanomaly

13.9479, 11.4837, 20.2203

Monochromacy



Original Color

17.6974, 11.7470, 38.3804

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.2109, 11.7006, 20.3010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6974, 11.7470, 38.3804 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(124, 72, 168)` looks like.

```
.text, #text, p{  
    color:rgb(124, 72, 168)  
}
```

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(124, 72, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 72, 168) }
```

Border

The CSS property to change the border of an element to XYZ 17.6974, 11.7470, 38.3804 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(124, 72, 168) }
```


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

```
.border{ border-color:rgb(124, 72, 168) }
```

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

Here you see how a box with a 4 pixel rgb(124, 72, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 72, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 72, 168);  
box-shadow:4px 4px 4px 4px rgb(124, 72,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6974, 11.7470, 38.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 72, 168) }
```

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

```
.background{ background-color: rgb(124, 72,  
168) }
```

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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