

Converting Colors

XYZ(11.7824, 17.0441, 9.7275)

Have a look what the booklet for
XYZ(11.7824, 17.0441, 9.7275)
contains.

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Color

**XYZ(11.7809, 16.9940,
9.6804)**

Conversions

Conversions Part 1

Format	Color
Hex	4C7E4D
RGB	76, 126, 77
RGB Percent	30%, 49%, 30%
CMY	0.7020, 0.5059, 0.6980
CMYK	0.40, 0.00, 0.39, 0.51
HSL	121°, 25%, 40%
HSV	121°, 40%, 49%
XYZ	11.7809, 16.9940, 9.6804
YIQ	105.4640, -14.0710, -25.8390

Conversions

Conversions Part 2

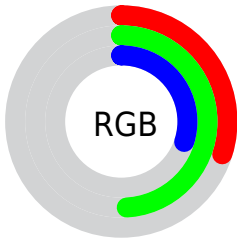
Format	Color
RYB	76, 125, 126
Decimal	5013069
CIELab	48.25, -27.65, 21.52
CIELCh	48, 35.038, 142.114
Yxy	16.9940, 0.3064, 0.4419
Android (android.graphics.Color)	4283203149 (0xFF4C7E4D)
YUV	105.4640, -14.0328, -25.8399
Hunter-Lab	41.2238, -21.1300, 14.9338

Details

The XYZ color **11.7809, 16.9940, 9.6804** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **14.8909, 11.0855, 20.7576**, and the grayscale version is **13.5933, 14.3012, 15.5741**.

A 20% lighter version of the original color is **28.7033, 38.2845, 25.9555**, and **3.2712, 5.4928, 2.2543** is the 20% darker color. If you saturate the color by 10%, you get **10.4809, 16.3700, 7.5558**, and if you desaturate by 10%, it is **13.3607, 17.7537, 12.2509**.

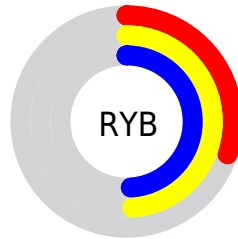
Distribution



Red (30%)

Green (49%)

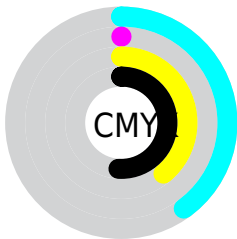
Blue (30%)



Red (30%)

Yellow (49%)

Blue (49%)

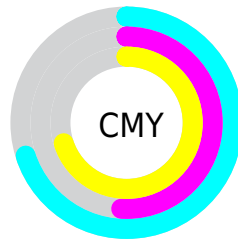


Cyan (40%)

Magenta (0%)

Yellow (39%)

Black (51%)



Cyan (70%)

Magenta (51%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7809, 16.9940, 9.6804 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 11.7809, 16.9940, 9.6804 by changing the saturation by 10% instead.

■ 11.7809, 16.9940,
9.6804

■ 11.7809, 16.9940,
9.6804

196.7490,
235.1378, 198.7768

■ 6.6658, 10.2302,
5.0848

■ 28.7158, 38.3155,
25.7910

■ 3.2984, 5.5519,
2.2375

■ 41.2662, 53.6419,
38.1429

■ 1.3135, 2.5746,
0.6959

■ 57.0259, 72.5914,
53.9174

■ 0.1933, 0.9139,
0.0000

■ 76.3600, 95.5483,
73.5330

■ 0.0000, 0.0000,
0.0000

■ 99.6341, 122.8970,
97.4082

127.2133,

155.0219, 125.9615

159.4632,
192.3073, 159.6115

■ 11.7809, 16.9940,
9.6804

■ 11.7809, 16.9940,
9.6804

■ 10.4809, 16.3700,
7.5558

■ 13.3607, 17.7537,
12.2509

■ 9.4431, 15.8717,
5.8508

■ 15.2339, 18.6540,
15.2896

■ 8.6502, 15.4911,
4.5378


■ 17.4147, 19.7024,
18.8183


■ 8.0820, 15.2187,
3.5858


■ 19.9161, 20.9051,
22.8576


■ 7.7152, 15.0431,
2.9587


■ 22.7504, 22.2680,
27.4265


 7.4821, 14.9313,
2.5713

 25.9290, 23.7967,
32.5432

 7.4750, 14.9279,
2.5598

 29.4631, 25.4965,
38.2251

 33.3631, 27.3725,
44.4886

 37.6392, 29.4294,
51.3498

Harmonies

Analogous

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



13.9526, 16.9940, 6.5385



11.7809, 16.9940, 9.6804



10.8090, 16.9940, 16.1978

Triad

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



11.7809, 16.9940, 9.6804



15.3257, 16.9940, 41.9125



22.5235, 16.9940, 12.6498

Complementary

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



11.7809, 16.9940, 9.6804



14.8909, 11.0855, 20.7576

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.



23.0176, 16.9940, 21.0184



11.7809, 16.9940, 9.6804



18.5718, 16.9940, 40.0009

Square

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



11.7809, 16.9940, 9.6804



12.6725, 16.9940, 36.1073



21.4899, 16.9940, 31.5150



20.2170, 16.9940, 7.8179

Rectangle

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



11.7809, 16.9940, 9.6804



10.8692, 16.9940, 22.4382



21.4899, 16.9940, 31.5150



22.9183, 16.9940, 15.0581

Sweetspot

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



11.7813, 16.9947, 9.6808



29.6020, 34.1741, 31.4248



17.2479, 19.8169, 9.7536



6.6440, 7.7304, 7.0035



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



11.7813, 16.9947, 9.6808



18.5639, 28.8693, 13.4894



12.8318, 17.4149, 15.2126



4.2793, 4.8200, 4.6418



7.6681, 15.3138, 2.6250



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.8909, 11.0855, 20.7576



24.8720, 16.8789, 35.9586



13.4975, 10.5282, 13.4201



4.4946, 4.4110, 5.4089



12.5255, 6.0299, 19.8887



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.7809, 16.9940, 9.6804 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 11.7809, 16.9940, 9.6804 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 11.7809, 16.9940, 9.6804

Background



This preview shows how black text looks on a background with the XYZ color 11.7809, 16.9940, 9.6804.



This preview shows how white text looks on a background with the XYZ color 11.7809, 16.9940,

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

11.7809, 16.9940, 9.6804

Protanopia

15.4992, 16.7876, 8.5543

Deuteranopia

17.1072, 16.7656, 10.1190



Tritanopia

14.5167, 16.9964, 23.2844

Trichromacy



Original Color

11.7809, 16.9940, 9.6804

Protanomaly

13.7779, 16.5771, 8.9521

Deuteranomaly

14.5181, 16.4181, 9.9932

Tritanomaly

13.2537, 16.8387, 17.3035

Monochromacy



Original Color

11.7809, 16.9940, 9.6804

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.5868, 15.0162, 13.0615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7809, 16.9940, 9.6804 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(76, 126, 77)` looks like.

```
.text, #text, p{  
    color:rgb(76, 126, 77)  
}
```

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(76, 126, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 126, 77) }
```

Border

The CSS property to change the border of an element to XYZ 11.7809, 16.9940, 9.6804 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(76, 126, 77) }
```


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

```
.border{ border-color:rgb(76, 126, 77) }
```

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

Here you see how a box with a 4 pixel rgb(76, 126, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 126, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 126, 77);  
box-shadow:4px 4px 4px 4px rgb(76, 126,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7809, 16.9940, 9.6804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 126, 77) }
```

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

```
.background{ background-color: rgb(76, 126,  
77) }
```

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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