

Converting Colors

XYZ(12.2073, 17.2158, 11.5736)

Have a look what the booklet for
XYZ(12.2073, 17.2158, 11.5736)
contains.

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Color

**XYZ(12.2011, 17.1714,
11.4754)**

Conversions

Conversions Part 1

Format	Color
Hex	4D7E56
RGB	77, 126, 86
RGB Percent	30%, 49%, 34%
CMY	0.6980, 0.5059, 0.6627
CMYK	0.39, 0.00, 0.32, 0.51
HSL	131°, 24%, 40%
HSV	131°, 39%, 49%
XYZ	12.2011, 17.1714, 11.4754
YIQ	106.7890, -16.3640, -22.8280

Conversions

Conversions Part 2

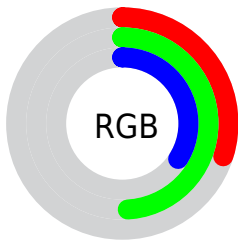
Format	Color
RYB	77, 118, 126
Decimal	5078614
CIELab	48.48, -25.68, 16.69
CIELCh	48, 30.633, 146.979
Yxy	17.1714, 0.2987, 0.4204
Android (android.graphics.Color)	4283268694 (0xFF4D7E56)
YUV	106.7890, -10.2490, -26.1250
Hunter-Lab	41.4384, -19.9597, 12.5879

Details

The XYZ color **12.2011, 17.1714, 11.4754** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.4695, 11.0280, 18.1962**, and the grayscale version is **13.9477, 14.6741, 15.9801**.

A 20% lighter version of the original color is **29.4661, 38.6070, 29.1914**, and **3.4463, 5.5690, 2.9008** is the 20% darker color. If you saturate the color by 10%, you get **10.8963, 16.5437, 9.4046**, and if you desaturate by 10%, it is **13.7635, 17.9259, 13.8703**.

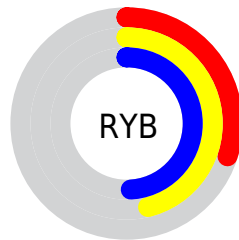
Distribution



Red (30%)

Green (49%)

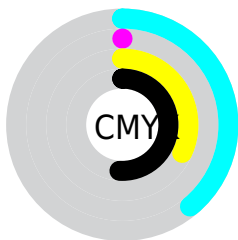
Blue (34%)



Red (30%)

Yellow (46%)

Blue (49%)

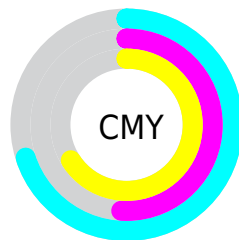


Cyan (39%)

Magenta (0%)

Yellow (32%)

Black (51%)



Cyan (70%)

Magenta (51%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2011, 17.1714, 11.4754 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 12.2011, 17.1714, 11.4754 by changing the saturation by 10% instead.

■ 12.2011, 17.1714,
11.4754

■ 12.2011, 17.1714,
11.4754

199.4750,
236.1582, 211.7538

■ 6.9540, 10.3568,
6.2694

■ 29.4745, 38.6202,
29.1859

■ 3.4794, 5.6361,
2.9381

■ 42.2315, 54.0232,
42.5275

■ 1.4121, 2.6251,
1.0631

■ 58.2225, 73.0578,
59.4181

■ 0.2648, 0.9393,
0.0000

■ 77.8129, 96.1084,
80.2761

■ 0.0000, 0.0000,
0.0000

■ 101.3679,
123.5593, 105.5202

129.2531,

155.7950, 135.5688

161.8336,
193.1998, 170.8405

■ 12.2011, 17.1714,
11.4754

■ 12.2011, 17.1714,
11.4754

■ 10.8963, 16.5437,
9.4046

■ 13.7635, 17.9259,
13.8703

■ 9.8337, 16.0338,
7.6430

■ 15.5949, 18.8115,
16.6014

■ 8.9985, 15.6349,
6.1761

■ 17.7079, 19.8348,
19.6812

■ 8.3736, 15.3384,
4.9876

■ 20.1137, 21.0014,
23.1216

■ 7.9394, 15.1346,
4.0598

■ 22.8230, 22.3165,
26.9336

■ 7.6466, 14.9986,
3.3718

■ 25.8459, 23.7852,
31.1280

■ 7.6173, 14.9849,
3.3091

■ 29.1920, 25.4121,
35.7150

■ 32.8707, 27.2019,
40.7045

■ 36.8907, 29.1589,
46.1059

Harmonies

Analogous

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



13.9929, 17.1714, 8.0282



12.2011, 17.1714, 11.4754



11.5030, 17.1714, 17.8939

Triad

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



12.2011, 17.1714, 11.4754



16.0381, 17.1714, 38.7684



21.6184, 17.1714, 12.5248

Complementary

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



12.2011, 17.1714, 11.4754



14.4695, 11.0280, 18.1962

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.



22.3253, 17.1714, 19.5232



12.2011, 17.1714, 11.4754



18.8937, 17.1714, 36.1304

Square

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



12.2011, 17.1714, 11.4754



13.5530, 17.1714, 34.8813



21.2771, 17.1714, 28.4477



19.4421, 17.1714, 8.5008

Rectangle

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



12.2011, 17.1714, 11.4754



11.6843, 17.1714, 23.5832



21.2771, 17.1714, 28.4477



22.0458, 17.1714, 14.5366

Sweetspot

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



12.2015, 17.1721, 11.4758



29.8506, 34.2735, 32.7337



16.1394, 19.2415, 9.8845



6.7044, 7.7545, 7.3213



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.



12.2015, 17.1721, 11.4758



19.3450, 29.1990, 16.8220



13.3628, 17.6366, 17.5907



4.3058, 4.8307, 4.7817



7.8130, 15.3718, 3.3881



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.4695, 11.0280, 18.1962



23.9464, 16.7162, 30.4446



13.2130, 10.5254, 11.5795



4.4653, 4.3993, 5.2550



11.3298, 5.5516, 13.5925



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.2011, 17.1714, 11.4754 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 12.2011, 17.1714, 11.4754 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 12.2011, 17.1714, 11.4754

Background



This preview shows how black text looks on a background with the XYZ color 12.2011, 17.1714, 11.4754.



This preview shows how white text looks on a background with the XYZ color 12.2011, 17.1714,

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

12.2011, 17.1714, 11.4754

Protanopia

15.9281, 17.1406, 10.2536

Deuteranopia

17.2529, 16.9584, 12.0368



Tritanopia

14.5835, 17.0231, 23.6362

Trichromacy



Original Color

12.2011, 17.1714, 11.4754

Protanomaly

14.2216, 16.9440, 10.7046

Deuteranomaly

14.8586, 16.7228, 11.8959

Tritanomaly

13.5641, 16.9730, 18.4808

Monochromacy



Original Color

12.2011, 17.1714, 11.4754

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.0933, 15.4223, 14.0911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2011, 17.1714, 11.4754 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(77, 126, 86)` looks like.

```
.text, #text, p{  
    color:rgb(77, 126, 86)  
}
```

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(77, 126, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 126, 86) }
```

Border

The CSS property to change the border of an element to XYZ 12.2011, 17.1714, 11.4754 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(77, 126, 86) }
```


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

```
.border{ border-color:rgb(77, 126, 86) }
```

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

Here you see how a box with a 4 pixel rgb(77, 126, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 126, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 126, 86);  
box-shadow:4px 4px 4px 4px rgb(77, 126,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2011, 17.1714, 11.4754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 126, 86) }
```

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

```
.background{ background-color: rgb(77, 126,  
86) }
```

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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