

Converting Colors

XYZ(11.6778, 16.1623, 8.8132)

Have a look what the booklet for
XYZ(11.6778, 16.1623, 8.8132)
contains.

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Color

**XYZ(11.7294, 16.2391,
8.8196)**

Conversions

Conversions Part 1

Format	Color
Hex	537A49
RGB	83, 122, 73
RGB Percent	33%, 48%, 29%
CMY	0.6745, 0.5216, 0.7137
CMYK	0.32, 0.00, 0.40, 0.52
HSL	108°, 25%, 38%
HSV	108°, 40%, 48%
XYZ	11.7294, 16.2391, 8.8196
YIQ	104.7530, -7.5150, -23.5070

Conversions

Conversions Part 2

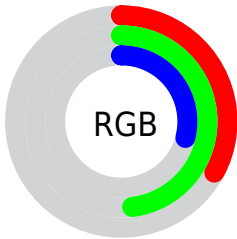
Format	Color
R_{YB}	73, 122, 112
Decimal	5470793
CIE _{Lab}	47.29, -23.85, 22.58
CIE _{LCh}	47, 32.846, 136.572
Yxy	16.2391, 0.3188, 0.4414
Android (android.graphics.Color)	4283660873 (0xFF537A49)
YUV	104.7530, -15.6542, -19.0774
Hunter-Lab	40.2978, -18.5654, 15.2322

Details

The XYZ color **11.7294, 16.2391, 8.8196** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.5783, 9.6155, 19.6063**, and the grayscale version is **13.4032, 14.1012, 15.3562**.

A 20% lighter version of the original color is **28.6743, 37.1334, 24.0685**, and **3.2853, 5.2063, 1.9304** is the 20% darker color. If you saturate the color by 10%, you get **10.5665, 15.6823, 6.8569**, and if you desaturate by 10%, it is **13.0926, 16.8909, 11.2066**.

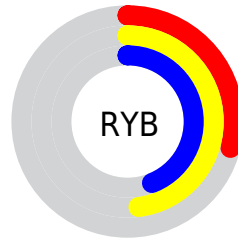
Distribution



Red (33%)

Green (48%)

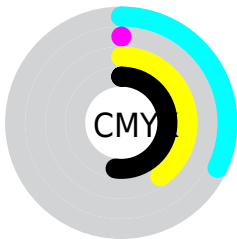
Blue (29%)



Red (29%)

Yellow (48%)

Blue (44%)

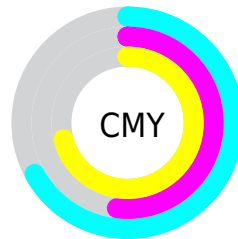


Cyan (32%)

Magenta (0%)

Yellow (40%)

Black (52%)



Cyan (67%)

Magenta (52%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7294, 16.2391, 8.8196 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 11.7294, 16.2391, 8.8196 by changing the saturation by 10% instead.

■ 11.7294, 16.2391,
8.8196

■ 11.7294, 16.2391,
8.8196

196.4122,
230.7485, 192.1946

■ 6.6306, 9.6935,
4.5285

■ 28.6224, 37.0128,
24.1224

■ 3.2764, 5.1962,
1.9195

■ 41.1474, 52.0097,
35.9711

■ 1.3016, 2.3628,
0.5051

■ 56.8784, 70.5925,
51.1761

■ 0.1844, 0.8067,
0.0000

■ 76.1809, 93.1455,
70.1560

■ 0.0000, 0.0000,
0.0000

■ 99.4201, 120.0533,
93.3292

126.9615,

151.7001, 121.1144

159.1705,
188.4704, 153.9300

■ 11.7294, 16.2391,
8.8196

■ 11.7294, 16.2391,
8.8196

■ 10.5665, 15.6823,
6.8569

■ 13.0926, 16.8909,
11.2066

■ 9.5929, 15.2140,
5.2928

■ 14.6638, 17.6398,
14.0398

■ 8.7987, 14.8302,
4.1001


■ 16.4517, 18.4903,
17.3405


■ 8.1723, 14.5255,
3.2481


■ 18.4644, 19.4461,
21.1286

■ 7.7007, 14.2940,
2.7010


■ 20.7093, 20.5107,
25.4228

 7.3582, 14.1251,
2.3386

 23.1936, 21.6874,
30.2407

 25.9242, 22.9793,
35.5992

 28.9077, 24.3894,
41.5143

 32.1503, 25.9209,
48.0015

Harmonies

Analogous

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



13.8985, 16.2391, 6.3681



11.7294, 16.2391, 8.8196



10.6221, 16.2391, 14.2268

Triad

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



11.7294, 16.2391, 8.8196



14.1759, 16.2391, 38.2041



21.4191, 16.2391, 13.5071

Complementary

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



11.7294, 16.2391, 8.8196



12.5783, 9.6155, 19.6063

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.



21.5178, 16.2391, 21.6549



11.7294, 16.2391, 8.8196



17.0803, 16.2391, 37.8263

Square

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



11.7294, 16.2391, 8.8196



11.9105, 16.2391, 31.9979



19.8483, 16.2391, 31.0866



19.5936, 16.2391, 8.4356

Rectangle

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



11.7294, 16.2391, 8.8196



10.5321, 16.2391, 19.5729



19.8483, 16.2391, 31.0866



21.6626, 16.2391, 15.9162

Sweetspot

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



11.7298, 16.2398, 8.8200



28.2410, 32.1952, 29.2010



14.9557, 16.0721, 8.6176



6.3857, 7.3274, 6.5439



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.7298, 16.2398, 8.8200



18.7794, 27.6801, 12.3780



11.4232, 16.0225, 11.4828



4.0203, 4.4857, 4.2784



7.7405, 14.8676, 2.4618



36.3431, 70.6210, 11.7157

Inverse Universe

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



12.5783, 9.6155, 19.6063



20.4746, 14.3440, 34.0824



13.1222, 9.9883, 15.4569



4.0782, 4.0382, 5.0077



8.8938, 4.1577, 19.7190



41.7127, 19.4657, 94.0285

Previews

White Background



This preview shows how the XYZ color 11.7294, 16.2391, 8.8196 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 11.7294, 16.2391, 8.8196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

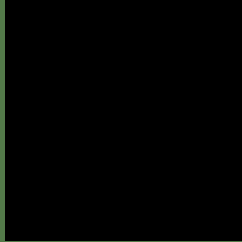
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7294, 16.2391, 8.8196

Background



This preview shows how black text looks on a background with the XYZ color 11.7294, 16.2391, 8.8196.



This preview shows how white text looks on a background with the XYZ color 11.7294, 16.2391,

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

11.7294, 16.2391, 8.8196

Protanopia

14.8944, 16.1556, 7.9635

Deuteranopia

16.3937, 16.1055, 9.0821



Tritanopia

14.3607, 16.2468, 21.7811

Trichromacy



Original Color

11.7294, 16.2391, 8.8196

Protanomaly

13.5352, 16.1211, 8.1927

Deuteranomaly

14.1344, 15.7412, 8.9500

Tritanomaly

13.1998, 16.1213, 16.0517

Monochromacy



Original Color

11.7294, 16.2391, 8.8196

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.5900, 14.7006, 12.5299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7294, 16.2391, 8.8196 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(83, 122, 73)` looks like.

```
.text, #text, p{  
    color:rgb(83, 122, 73)  
}
```

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(83, 122, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 122, 73) }
```

Border

The CSS property to change the border of an element to XYZ 11.7294, 16.2391, 8.8196 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(83, 122, 73) }
```


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

```
.border{ border-color:rgb(83, 122, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 122, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 122, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 122, 73);  
box-shadow:4px 4px 4px 4px rgb(83, 122,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7294, 16.2391, 8.8196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 122, 73) }
```

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

```
.background{ background-color: rgb(83, 122,  
73) }
```

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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