

Converting Colors

XYZ(11.8247, 16.3100, 11.1545)

Have a look what the booklet for
XYZ(11.8247, 16.3100, 11.1545)
contains.

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Color

**XYZ(11.7411, 16.1946,
11.1014)**

Conversions

Conversions Part 1

Format	Color
Hex	4E7A55
RGB	78, 122, 85
RGB Percent	31%, 48%, 33%
CMY	0.6941, 0.5216, 0.6667
CMYK	0.36, 0.00, 0.30, 0.52
HSL	130°, 22%, 39%
HSV	130°, 36%, 48%
XYZ	11.7411, 16.1946, 11.1014
YIQ	104.6260, -14.3470, -20.8350

Conversions

Conversions Part 2

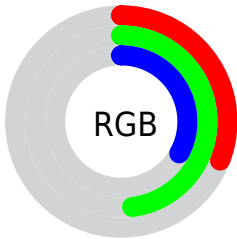
Format	Color
R_{YB}	78, 116, 122
Decimal	5143125
CIE _{Lab}	47.23, -23.52, 15.58
CIE _{LCh}	47, 28.215, 146.478
Yxy	16.1946, 0.3008, 0.4149
Android (android.graphics.Color)	4283333205 (0xFF4E7A55)
YUV	104.6260, -9.6756, -23.3510
Hunter-Lab	40.2425, -18.3455, 11.8139

Details

The XYZ color **11.7411, 16.1946, 11.1014** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **13.8454, 10.8245, 17.5798**, and the grayscale version is **13.3546, 14.0501, 15.3005**.

A 20% lighter version of the original color is **28.7564, 37.0763, 28.5625**, and **3.2842, 5.1876, 2.7477** is the 20% darker color. If you saturate the color by 10%, you get **10.4544, 15.5755, 9.0658**, and if you desaturate by 10%, it is **13.2733, 16.9344, 13.4578**.

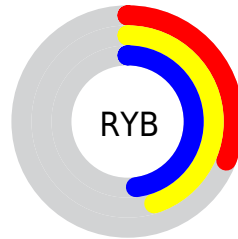
Distribution



Red (31%)

Green (48%)

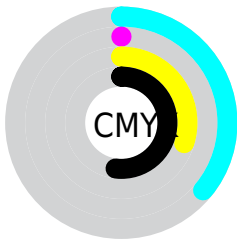
Blue (33%)



Red (31%)

Yellow (45%)

Blue (48%)

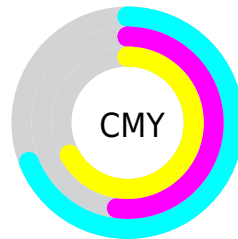


Cyan (36%)

Magenta (0%)

Yellow (30%)

Black (52%)



Cyan (69%)

Magenta (52%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7411, 16.1946, 11.1014 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 11.7411, 16.1946, 11.1014 by changing the saturation by 10% instead.

■ 11.7411, 16.1946,
11.1014

■ 11.7411, 16.1946,
11.1014

196.4888,
230.4873, 209.1242

■ 6.6386, 9.6620,
6.0200

■ 28.6437, 36.9357,
28.4870

■ 3.2814, 5.1754,
2.7883

■ 41.1744, 51.9130,
41.6284

■ 1.3043, 2.3505,
0.9876

■ 56.9119, 70.4739,
58.2935

■ 0.1864, 0.8003,
0.0000

■ 76.2216, 93.0029,
78.9009

■ 0.0000, 0.0000,
0.0000

■ 99.4688, 119.8843,
103.8691

127.0188,

151.5026, 133.6168

159.2370,
188.2421, 168.5623

■ 11.7411, 16.1946,
11.1014

■ 11.7411, 16.1946,
11.1014

■ 10.4544, 15.5755,
9.0658

■ 13.2733, 16.9344,
13.4578

■ 9.3990, 15.0686,
7.3360

■ 15.0615, 17.7986,
16.1467

■ 8.5614, 14.6678,
5.8976

■ 17.1173, 18.7933,
19.1810

■ 7.9261, 14.3654,
4.7344

■ 19.4511, 19.9238,
22.5721

■ 7.4755, 14.1526,
3.8289

■ 22.0727, 21.1948,
26.3312

■ 7.1791, 14.0143,
3.1609

■ 24.9916, 22.6110,
30.4689

■ 7.0809, 13.9681,
2.9575

■ 28.2167, 24.1768,
34.9954

■ 31.7566, 25.8963,
39.9204

■ 35.6195, 27.7737,
45.2534

Harmonies

Analogous

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



13.3579, 16.1946, 7.9980



11.7411, 16.1946, 11.1014



11.0970, 16.1946, 16.8055

Triad

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



11.7411, 16.1946, 11.1014



15.1007, 16.1946, 35.1326



20.0804, 16.1946, 12.2061

Complementary

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



11.7411, 16.1946, 11.1014



13.8454, 10.8245, 17.5798

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.



20.6741, 16.1946, 18.4876



11.7411, 16.1946, 11.1014



17.6239, 16.1946, 32.9465

Square

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



11.7411, 16.1946, 11.1014



12.9005, 16.1946, 31.6872



19.7318, 16.1946, 26.3263



18.1864, 16.1946, 8.5048

Rectangle

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



11.7411, 16.1946, 11.1014



11.2483, 16.1946, 21.8088



19.7318, 16.1946, 26.3263



20.4469, 16.1946, 14.0277

Sweetspot

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



11.7415, 16.1953, 11.1018



28.1731, 32.1227, 30.8914



15.4582, 18.1419, 9.8949



6.3562, 7.3035, 6.9369



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.



11.7415, 16.1953, 11.1018



18.8174, 27.6056, 16.6313



12.7347, 16.5926, 16.3318



3.9745, 4.4594, 4.3995



7.4525, 14.7047, 3.1017



35.3377, 70.0581, 13.6822

Inverse Universe

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



13.8454, 10.8245, 17.5798



23.0751, 16.7268, 29.7332



12.7444, 10.3841, 11.7820



4.1284, 4.0671, 4.8738



11.0036, 5.3776, 13.8418



52.2279, 25.5475, 64.6553

Previews

White Background



This preview shows how the XYZ color 11.7411, 16.1946, 11.1014 looks on a white background.

Color Contrast Check

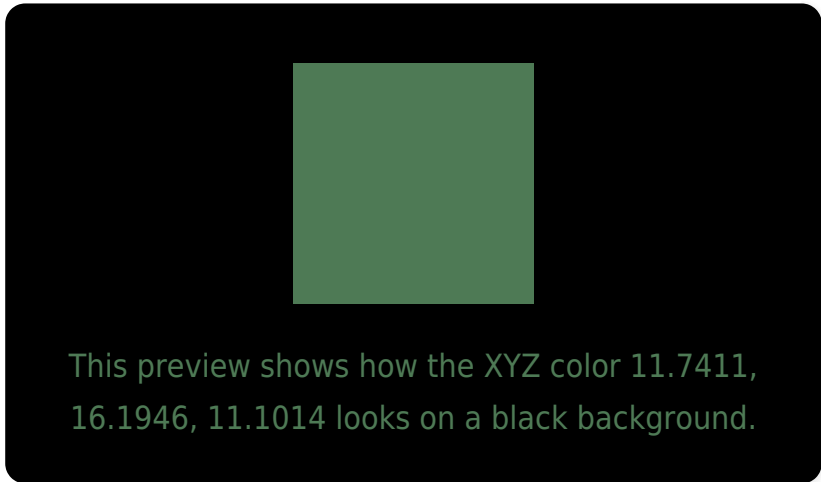
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 11.7411, 16.1946, 11.1014

Background



This preview shows how black text looks on a background with the XYZ color 11.7411, 16.1946, 11.1014.



This preview shows how white text looks on a background with the XYZ color 11.7411, 16.1946,

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

11.7411, 16.1946, 11.1014

Protanopia

14.8781, 15.9411, 9.8822

Deuteranopia

16.2251, 15.9658, 11.4591



Tritanopia

13.9649, 16.2074, 22.1310

Trichromacy



Original Color

11.7411, 16.1946, 11.1014

Protanomaly

13.4794, 15.8739, 10.3362

Deuteranomaly

14.0700, 15.6560, 11.2972

Tritanomaly

13.0333, 16.1803, 17.4751

Monochromacy



Original Color

11.7411, 16.1946, 11.1014

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.6084, 14.6836, 13.7250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7411, 16.1946, 11.1014 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(78, 122, 85)` looks like.

```
.text, #text, p{  
    color:rgb(78, 122, 85)  
}
```

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(78, 122, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 122, 85) }
```

Border

The CSS property to change the border of an element to XYZ 11.7411, 16.1946, 11.1014 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(78, 122, 85) }
```


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

```
.border{ border-color:rgb(78, 122, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 122, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 122, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 122, 85);  
box-shadow:4px 4px 4px 4px rgb(78, 122,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7411, 16.1946, 11.1014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 122, 85) }
```

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

```
.background{ background-color: rgb(78, 122,  
85) }
```

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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