

Converting Colors

XYZ(11.1756, 15.9684, 8.1234)

Have a look what the booklet for
XYZ(11.1756, 15.9684, 8.1234)
contains.

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Color

**XYZ(11.1756, 15.9684,
8.1234)**

Conversions

Conversions Part 1

Format	Color
Hex	4E7A45
RGB	78, 122, 69
RGB Percent	31%, 48%, 27%
CMY	0.6941, 0.5216, 0.7294
CMYK	0.36, 0.00, 0.43, 0.52
HSL	110°, 28%, 37%
HSV	110°, 43%, 48%
XYZ	11.1756, 15.9684, 8.1234
YIQ	102.8020, -9.2110, -25.8110

Conversions

Conversions Part 2

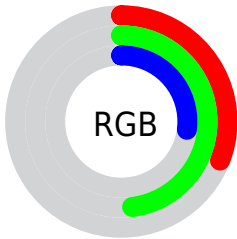
Format	Color
RYB	69, 122, 113
Decimal	5143109
CIELab	46.93, -26.31, 24.31
CIELCh	47, 35.822, 137.264
Yxy	15.9684, 0.3169, 0.4528
Android (android.graphics.Color)	4283333189 (0xFF4E7A45)
YUV	102.8020, -16.6644, -21.7514
Hunter-Lab	39.9605, -20.0104, 15.9195

Details

The XYZ color **11.1756, 15.9684, 8.1234** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.4516, 9.1725, 19.5273**, and the grayscale version is **12.8845, 13.5555, 14.7619**.

A 20% lighter version of the original color is **27.6532, 36.6351, 22.7533**, and **3.0541, 5.0922, 1.6861** is the 20% darker color. If you saturate the color by 10%, you get **10.0684, 15.4374, 6.2940**, and if you desaturate by 10%, it is **12.4894, 16.5978, 10.3697**.

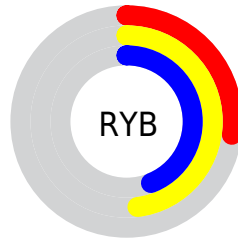
Distribution



Red (31%)

Green (48%)

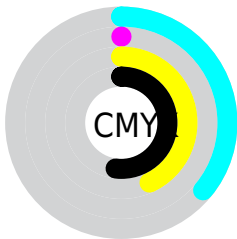
Blue (27%)



Red (27%)

Yellow (48%)

Blue (44%)

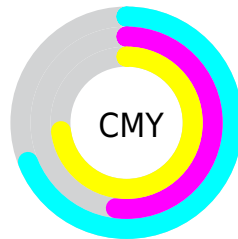


Cyan (36%)

Magenta (0%)

Yellow (43%)

Black (52%)



Cyan (69%)

Magenta (52%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1756, 15.9684, 8.1234 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 11.1756, 15.9684, 8.1234 by changing the saturation by 10% instead.

■ 11.1756, 15.9684,
8.1234

■ 11.1756, 15.9684,
8.1234

192.7519,
229.1552, 186.6673

■ 6.2532, 9.5018,
4.0851

■ 27.6145, 36.5433,
22.7502

■ 3.0418, 5.0699,
1.6721

■ 39.8618, 51.4205,
34.1757

■ 1.1759, 2.2883,
0.3415

■ 55.2814, 69.8699,
48.9007

■ 0.0872, 0.7675,
0.0000

■ 74.2386, 92.2760,
67.3438

■ 0.0000, 0.0000,
0.0000

■ 97.0990, 119.0232,
89.9235

124.2277,

150.4958, 117.0582

155.9902,
187.0784, 149.1667

■ 11.1756, 15.9684,
8.1234

■ 11.1756, 15.9684,
8.1234

■ 10.0684, 15.4374,
6.2940

■ 12.4894, 16.5978,
10.3697

■ 9.1559, 14.9979,
4.8549

■ 14.0184, 17.3282,
13.0553

■ 8.4269, 14.6452,
3.7779

■ 15.7722, 18.1645,
16.2022

■ 7.8684, 14.3732,
3.0308

■ 17.7595, 19.1107,
19.8307

■ 7.4652, 14.1751,
2.5723

■ 19.9886, 20.1707,
23.9598

■ 7.2631, 14.0760,
2.3341

■ 22.4671, 21.3482,
28.6076

■ 25.2027, 22.6465,
33.7910

■ 28.2023, 24.0690,
39.5266

■ 31.4729, 25.6190,
45.8299

Harmonies

Analogous

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



13.4620, 15.9684, 5.5819



11.1756, 15.9684, 8.1234



10.0356, 15.9684, 13.8601

Triad

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



11.1756, 15.9684, 8.1234



13.8901, 15.9684, 40.1731



21.6740, 15.9684, 12.7606

Complementary

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



11.1756, 15.9684, 8.1234



12.4516, 9.1725, 19.5273

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.



21.8303, 15.9684, 21.4662



11.1756, 15.9684, 8.1234



17.0328, 15.9684, 39.5608

Square

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



11.1756, 15.9684, 8.1234



11.4518, 15.9684, 33.3501



20.0361, 15.9684, 31.8867



19.6345, 15.9684, 7.5578

Rectangle

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



11.1756, 15.9684, 8.1234



9.9601, 15.9684, 19.6565



20.0361, 15.9684, 31.8867



21.9576, 15.9684, 15.2991

Sweetspot

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



11.1760, 15.9691, 8.1238



27.7894, 31.9757, 28.5804



14.9263, 16.2189, 7.9743



6.2173, 7.2461, 6.2876



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.



11.1760, 15.9691, 8.1238



17.7462, 27.1741, 11.1269



11.0852, 15.8533, 11.2345



4.0085, 4.4797, 4.2779



7.6411, 14.8164, 2.4571



35.9425, 70.4145, 11.6970

Inverse Universe

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



12.4516, 9.1725, 19.5273



20.2831, 13.5675, 33.9427



12.7156, 9.4186, 14.5714



4.0909, 4.0447, 5.0083



9.3765, 4.4065, 19.7416



44.1024, 20.6976, 94.1404

Previews

White Background



This preview shows how the XYZ color 11.1756, 15.9684, 8.1234 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 11.1756, 15.9684, 8.1234 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 11.1756, 15.9684, 8.1234

Background



This preview shows how black text looks on a background with the XYZ color 11.1756, 15.9684, 8.1234.



This preview shows how white text looks on a background with the XYZ color 11.1756, 15.9684,

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

11.1756, 15.9684, 8.1234

Protanopia

14.5237, 15.8155, 7.2882

Deuteranopia

16.0295, 15.7757, 8.5035



Tritanopia

13.9716, 16.0462, 21.7629

Trichromacy



Original Color

11.1756, 15.9684, 8.1234

Protanomaly

12.9398, 15.6581, 7.4946

Deuteranomaly

13.7739, 15.5669, 8.4096

Tritanomaly

12.6844, 15.8616, 15.7577

Monochromacy



Original Color

11.1756, 15.9684, 8.1234

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.0804, 14.2869, 12.0185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1756, 15.9684, 8.1234 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(78, 122, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 122, 69) }
```

Border

The CSS property to change the border of an element to XYZ 11.1756, 15.9684, 8.1234 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, 69) }
```


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

```
.border{ border-color:rgb(78, 122, 69) }
```

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, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 122, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 122, 69);  
box-shadow:4px 4px 4px 4px rgb(78, 122,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1756, 15.9684, 8.1234 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, 69) }
```

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

```
.background{ background-color: rgb(78, 122,  
69) }
```

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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