

Converting Colors

XYZ(11.8197, 15.7687, 11.7406)

Have a look what the booklet for
XYZ(11.8197, 15.7687, 11.7406)
contains.

XYZ(11.7516, 15.6476, 11.6334)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.7516, 15.6476,
11.6334)**

Conversions

Conversions Part 1

Format	Color
Hex	517758
RGB	81, 119, 88
RGB Percent	32%, 47%, 35%
CMY	0.6824, 0.5333, 0.6549
CMYK	0.32, 0.00, 0.26, 0.53
HSL	131°, 19%, 39%
HSV	131°, 32%, 47%
XYZ	11.7516, 15.6476, 11.6334
YIQ	104.1040, -12.6970, -17.6970

Conversions

Conversions Part 2

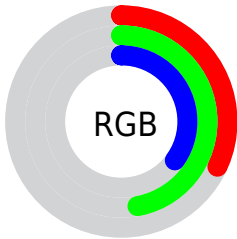
Format	Color
RYB	81, 113, 119
Decimal	5338968
CIELab	46.51, -20.34, 12.87
CIELCh	47, 24.074, 147.680
Yxy	15.6476, 0.3011, 0.4009
Android (android.graphics.Color)	4283529048 (0xFF517758)
YUV	104.1040, -7.9393, -20.2622
Hunter-Lab	39.5570, -16.1961, 10.2532

Details

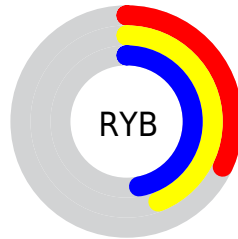
The XYZ color **11.7516, 15.6476, 11.6334** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **13.4753, 10.9769, 16.7384**, and the grayscale version is **13.2093, 13.8972, 15.1341**.

A 20% lighter version of the original color is **28.5104, 35.7861, 29.4495**, and **3.2678, 4.8876, 2.9617** is the 20% darker color. If you saturate the color by 10%, you get **10.4442, 15.0175, 9.6111**, and if you desaturate by 10%, it is **13.2922, 16.3926, 13.9469**.

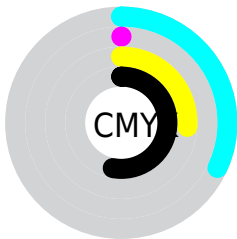
Distribution



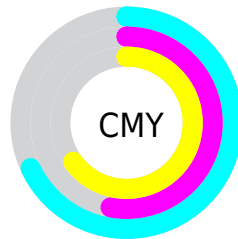
- Red (32%)
- Green (47%)
- Blue (35%)



- Red (32%)
- Yellow (44%)
- Blue (47%)



- Cyan (32%)
- Magenta (0%)
- Yellow (26%)
- Black (53%)



- Cyan (68%)
- Magenta (53%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7516, 15.6476, 11.6334 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 11.7516, 15.6476, 11.6334 by changing the saturation by 10% instead.

■ 11.7516, 15.6476,
11.6334

■ 11.7516, 15.6476,
11.6334

196.5575,
227.2532, 212.8540

■ 6.6458, 9.2751,
6.3751

■ 28.6627, 35.9853,
29.4800

■ 3.2859, 4.9211,
3.0020

■ 41.1986, 50.7194,
42.9053

■ 1.3067, 2.2010,
1.0957

■ 56.9420, 69.0094,
59.8901

■ 0.1882, 0.7206,
0.0000

■ 76.2581, 91.2398,
80.8528

■ 0.0000, 0.0000,
0.0000

■ 99.5124, 117.7950,
106.2120

127.0701,

149.0594, 136.3862

159.2967,
185.4173, 171.7941

■ 11.7516, 15.6476,
11.6334

■ 11.7516, 15.6476,
11.6334

■ 10.4442, 15.0175,
9.6111

■ 13.2922, 16.3926,
13.9469

■ 9.3572, 14.4946,
7.8675

■ 15.0753, 17.2559,
16.5614

■ 8.4788, 14.0735,
6.3905

■ 17.1114, 18.2429,
19.4876

■ 7.7952, 13.7475,
5.1671

■ 19.4099, 19.3582,
22.7352

■ 7.2910, 13.5088,
4.1829

■ 21.9796, 20.6065,
26.3137

■ 6.9485, 13.3487,
3.4221

■ 24.8291, 21.9917,
30.2321

■ 6.7412, 13.2519,
2.9577

■ 27.9666, 23.5179,
34.4990

■ 31.3998, 25.1890,
39.1227

■ 35.1361, 27.0086,
44.1113

Harmonies

Analogous

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



13.0965, 15.6476, 8.7951



11.7516, 15.6476, 11.6334



11.2343, 15.6476, 16.5796

Triad

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



11.7516, 15.6476, 11.6334



14.7118, 15.6476, 31.1810



18.6896, 15.6476, 12.2652

Complementary

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



11.7516, 15.6476, 11.6334



13.4753, 10.9769, 16.7384

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.



19.2221, 15.6476, 17.5039



11.7516, 15.6476, 11.6334



16.8024, 15.6476, 29.2800

Square

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



11.7516, 15.6476, 11.6334



12.8414, 15.6476, 28.6219



18.5023, 15.6476, 23.8997



17.1074, 15.6476, 9.0959

Rectangle

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



11.7516, 15.6476, 11.6334



11.3885, 15.6476, 20.7456



18.5023, 15.6476, 23.8997



19.0034, 15.6476, 13.8000

Sweetspot

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



11.7520, 15.6483, 11.6337



27.5748, 31.1801, 30.4962



14.7690, 17.2355, 10.3330



6.4414, 7.3441, 7.0918



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.



11.7520, 15.6483, 11.6337



19.3547, 27.2055, 18.2322



12.6427, 16.0045, 16.3241



3.6657, 4.1082, 4.0732



7.1589, 14.0776, 3.1270



34.6484, 68.5066, 13.9854

Inverse Universe

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



13.4753, 10.9769, 16.7384



22.9313, 17.5034, 28.8212



12.5279, 10.5980, 11.7492



3.7991, 3.7469, 4.4688



10.3759, 5.0841, 12.4535



50.2713, 24.6586, 59.1515

Previews

White Background



This preview shows how the XYZ color 11.7516, 15.6476, 11.6334 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 11.7516, 15.6476, 11.6334 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 11.7516, 15.6476, 11.6334

Background



This preview shows how black text looks on a background with the XYZ color 11.7516, 15.6476, 11.6334.



This preview shows how white text looks on a background with the XYZ color 11.7516, 15.6476,

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

11.7516, 15.6476, 11.6334

Protanopia

14.5123, 15.5739, 10.6287

Deuteranopia

15.7948, 15.5754, 12.0714



Tritanopia

13.6799, 15.5646, 21.3520

Trichromacy



Original Color

11.7516, 15.6476, 11.6334

Protanomaly

13.2537, 15.4092, 10.8701

Deuteranomaly

13.9603, 15.4221, 11.9138

Tritanomaly

12.8609, 15.5698, 17.3663

Monochromacy



Original Color

11.7516, 15.6476, 11.6334

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.4971, 14.3059, 13.6579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7516, 15.6476, 11.6334 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(81, 119, 88)` looks like.

```
.text, #text, p{  
    color:rgb(81, 119, 88)  
}
```

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(81, 119, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 119, 88) }
```

Border

The CSS property to change the border of an element to XYZ 11.7516, 15.6476, 11.6334 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(81, 119, 88) }
```


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

```
.border{ border-color:rgb(81, 119, 88) }
```

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

Here you see how a box with a 4 pixel rgb(81, 119, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 119, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 119, 88);  
box-shadow:4px 4px 4px 4px rgb(81, 119,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7516, 15.6476, 11.6334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 119, 88) }
```

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

```
.background{ background-color: rgb(81, 119,  
88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor