

Converting Colors

XYZ(10.9146, 15.3727, 8.1870)

Have a look what the booklet for
XYZ(10.9146, 15.3727, 8.1870)
contains.

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Color

**XYZ(10.8442, 15.2555,
8.1674)**

Conversions

Conversions Part 1

Format	Color
Hex	4E7746
RGB	78, 119, 70
RGB Percent	31%, 47%, 27%
CMY	0.6941, 0.5333, 0.7255
CMYK	0.34, 0.00, 0.41, 0.53
HSL	110°, 26%, 37%
HSV	110°, 41%, 47%
XYZ	10.8442, 15.2555, 8.1674
YIQ	101.1550, -8.7070, -23.9310

Conversions

Conversions Part 2

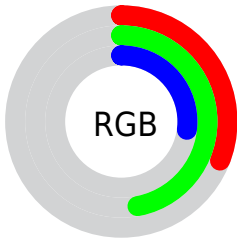
Format	Color
RYB	70, 119, 111
Decimal	5142342
CIELab	45.98, -24.66, 22.52
CIELCh	46, 33.393, 137.597
Yxy	15.2555, 0.3165, 0.4452
Android (android.graphics.Color)	4283332422 (0xFF4E7746)
YUV	101.1550, -15.3594, -20.3069
Hunter-Lab	39.0583, -18.7930, 14.9428

Details

The XYZ color **10.8442, 15.2555, 8.1674** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.0761, 9.0921, 18.5720**, and the grayscale version is **12.4501, 13.0985, 14.2642**.

A 20% lighter version of the original color is **27.1356, 35.5041, 22.8755**, and **2.9010, 4.7265, 1.6791** is the 20% darker color. If you saturate the color by 10%, you get **9.7503, 14.7312, 6.3460**, and if you desaturate by 10%, it is **12.1369, 15.8746, 10.3874**.

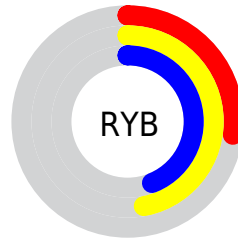
Distribution



Red (31%)

Green (47%)

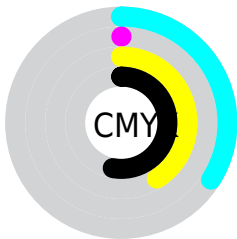
Blue (27%)



Red (27%)

Yellow (47%)

Blue (44%)

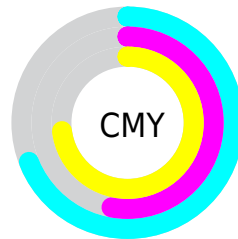


Cyan (34%)

Magenta (0%)

Yellow (41%)

Black (53%)



Cyan (69%)

Magenta (53%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8442, 15.2555, 8.1674 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 10.8442, 15.2555, 8.1674 by changing the saturation by 10% instead.

■ 10.8442, 15.2555,
8.1674

■ 10.8442, 15.2555,
8.1674

190.5260,
224.9075, 187.0225

■ 6.0287, 8.9989,
4.1129

■ 27.0072, 35.3008,
22.8375

■ 2.9034, 4.7405,
1.6875

■ 39.0854, 49.8583,
34.2903

■ 1.1029, 2.0958,
0.3522

■ 54.3153, 67.9515,
49.0462

■ 0.0275, 0.6623,
0.0000

■ 73.0620, 89.9648,
67.5239

■ 0.0000, 0.0000,
0.0000

■ 95.6912, 116.2827,
90.1418

122.5679,

147.2895, 117.3185

154.0578,
183.3697, 149.4726

■ 10.8442, 15.2555,
8.1674

■ 10.8442, 15.2555,
8.1674

■ 9.7503, 14.7312,
6.3460

■ 12.1369, 15.8746,
10.3874

■ 8.8441, 14.2952,
4.8987

■ 13.6365, 16.5908,
13.0267

■ 8.1152, 13.9429,
3.7998

■ 15.3521, 17.4088,
16.1057

■ 7.5515, 13.6690,
3.0198

■ 17.2918, 18.3325,
19.6430

■ 7.1394, 13.4671,
2.5248

■ 19.4633, 19.3654,
23.6565

■ 6.8741, 13.3370,
2.2120

■ 21.8741, 20.5109,
28.1628

■ 24.5311, 21.7724,
33.1779

■ 27.4411, 23.1530,
38.7170

■ 30.6105, 24.6557,
44.7947

Harmonies

Analogous

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



12.9175, 15.2555, 5.7499



10.8442, 15.2555, 8.1674



9.8116, 15.2555, 13.4855

Triad

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



10.8442, 15.2555, 8.1674



13.3631, 15.2555, 36.9320



20.3246, 15.2555, 12.3338

Complementary

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



10.8442, 15.2555, 8.1674



12.0761, 9.0921, 18.5720

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.



20.4847, 15.2555, 20.1847



10.8442, 15.2555, 8.1674



16.2065, 15.2555, 36.3134

Square

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



10.8442, 15.2555, 8.1674



11.1338, 15.2555, 30.9660



18.8967, 15.2555, 29.4792



18.4841, 15.2555, 7.5615

Rectangle

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



10.8442, 15.2555, 8.1674



9.7507, 15.2555, 18.7554



18.8967, 15.2555, 29.4792



20.5845, 15.2555, 14.6359

Sweetspot

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



10.8446, 15.2561, 8.1677



27.1238, 30.9985, 28.1770



14.3801, 15.6973, 8.0665



6.3531, 7.3106, 6.5424



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.



10.8446, 15.2561, 8.1677



17.6275, 26.4592, 11.6384



10.8162, 15.1736, 11.2338



3.6912, 4.1243, 3.9438



7.2969, 14.1660, 2.3497



35.0609, 68.7763, 11.4273

Inverse Universe

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



12.0761, 9.0921, 18.5720



20.1288, 13.8741, 32.8701



12.2299, 9.2752, 13.8906



3.7708, 3.7291, 4.6113



9.0647, 4.2644, 18.8879



43.5635, 20.4663, 92.0146

Previews

White Background



This preview shows how the XYZ color 10.8442, 15.2555, 8.1674 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 10.8442, 15.2555, 8.1674 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 10.8442, 15.2555, 8.1674

Background



This preview shows how black text looks on a background with the XYZ color 10.8442, 15.2555, 8.1674.



This preview shows how white text looks on a background with the XYZ color 10.8442, 15.2555,

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

10.8442, 15.2555, 8.1674

Protanopia

14.0598, 15.2526, 7.3573

Deuteranopia

15.3923, 15.1409, 8.5898



Tritanopia

13.3485, 15.2416, 20.6507

Trichromacy



Original Color

10.8442, 15.2555, 8.1674

Protanomaly

12.6272, 15.1586, 7.5706

Deuteranomaly

13.2268, 14.7978, 8.4625

Tritanomaly

12.2351, 15.1256, 15.1066

Monochromacy



Original Color

10.8442, 15.2555, 8.1674

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.7222, 13.7905, 11.7169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8442, 15.2555, 8.1674 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, 119, 70)` looks like.

```
.text, #text, p{  
    color:rgb(78, 119, 70)  
}
```

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, 119, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 119, 70) }
```

Border

The CSS property to change the border of an element to XYZ 10.8442, 15.2555, 8.1674 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, 119, 70) }
```


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

```
.border{ border-color:rgb(78, 119, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 119, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 119, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 119, 70);  
box-shadow:4px 4px 4px 4px rgb(78, 119,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8442, 15.2555, 8.1674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 119, 70) }
```

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

```
.background{ background-color: rgb(78, 119,  
70) }
```

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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