

Converting Colors

XYZ(11.8764, 15.2583, 11.1666)

Have a look what the booklet for
XYZ(11.8764, 15.2583, 11.1666)
contains.

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Color

**XYZ(11.8556, 15.1889,
11.1110)**

Conversions

Conversions Part 1

Format	Color
Hex	577456
RGB	87, 116, 86
RGB Percent	34%, 45%, 34%
CMY	0.6588, 0.5451, 0.6627
CMYK	0.25, 0.00, 0.26, 0.55
HSL	118°, 15%, 40%
HSV	118°, 26%, 45%
XYZ	11.8556, 15.1889, 11.1110
YIQ	103.9090, -7.6540, -15.4780

Conversions

Conversions Part 2

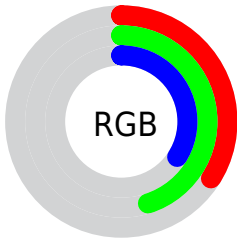
Format	Color
R_{YB}	86, 116, 115
Decimal	5731414
CIE _{Lab}	45.89, -16.95, 13.25
CIE _{LCh}	46, 21.516, 141.990
Yxy	15.1889, 0.3107, 0.3981
Android (android.graphics.Color)	4283921494 (0xFF577456)
YUV	103.9090, -8.8291, -14.8292
Hunter-Lab	38.9729, -13.9028, 10.3778

Details

The XYZ color **11.8556, 15.1889, 11.1110** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **13.5510, 11.5618, 18.0412**, and the grayscale version is **13.1584, 13.8437, 15.0758**.

A 20% lighter version of the original color is **28.7631, 35.1012, 28.5518**, and **3.3424, 4.7455, 2.8376** is the 20% darker color. If you saturate the color by 10%, you get **10.4589, 14.5190, 8.8008**, and if you desaturate by 10%, it is **13.4917, 15.9743, 13.8291**.

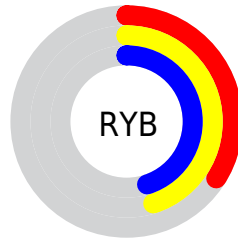
Distribution



Red (34%)

Green (45%)

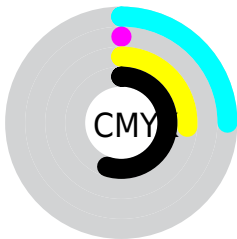
Blue (34%)



Red (34%)

Yellow (45%)

Blue (45%)

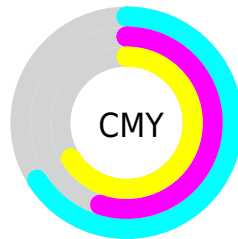


Cyan (25%)

Magenta (0%)

Yellow (26%)

Black (55%)



Cyan (66%)

Magenta (55%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8556, 15.1889, 11.1110 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 11.8556, 15.1889, 11.1110 by changing the saturation by 10% instead.

■ 11.8556, 15.1889,
11.1110

■ 11.8556, 15.1889,
11.1110

197.2365,
224.5068, 209.1922

■ 6.7169, 8.9521,
6.0264

■ 28.8510, 35.1842,
28.5050

■ 3.3305, 4.7099,
2.7921

■ 41.4384, 49.7115,
41.6516

■ 1.3308, 2.0781,
0.9895

■ 57.2394, 67.7711,
58.3225

■ 0.2061, 0.6523,
0.0000

■ 76.6195, 89.7473,
78.9364

■ 0.0000, 0.0000,
0.0000

■ 99.9438, 116.0246,
103.9118

127.5779,

146.9873, 133.6672

159.8870,
183.0199, 168.6211

■ 11.8556, 15.1889,
11.1110

■ 11.8556, 15.1889,
11.1110

■ 10.4589, 14.5190,
8.8008

■ 13.4917, 15.9743,
13.8291

■ 9.2892, 13.9573,
6.8779

■ 15.3764, 16.8783,
16.9724

■ 8.3348, 13.4988,
5.3214

■ 17.5198, 17.9061,
20.5584

■ 7.5827, 13.1372,
4.1081

■ 19.9313, 19.0622,
24.6032

■ 7.0183, 12.8655,
3.2120

■ 22.6196, 20.3509,
29.1224

■ 6.6250, 12.6758,
2.6035

■ 25.5932, 21.7761,
34.1307

■ 6.3784, 12.5568,
2.2253

■ 28.8601, 23.3416,
39.6419

■ 6.2941, 12.5163,
2.0842

■ 32.4280, 25.0512,
45.6697

■ 36.3045, 26.9085,
52.2271

Harmonies

Analogous

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



13.1678, 15.1889, 8.8883



11.8556, 15.1889, 11.1110



11.2465, 15.1889, 15.1829

Triad

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



11.8556, 15.1889, 11.1110



13.9553, 15.1889, 28.5539



17.9238, 15.1889, 13.0680

Complementary

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



11.8556, 15.1889, 11.1110



13.5510, 11.5618, 18.0412

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.



18.1792, 15.1889, 17.9717



11.8556, 15.1889, 11.1110



15.7844, 15.1889, 27.6566

Square

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



11.8556, 15.1889, 11.1110



12.3906, 15.1889, 25.7387



17.3674, 15.1889, 23.4951



16.6962, 15.1889, 9.8420

Rectangle

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



11.8556, 15.1889, 11.1110



11.2822, 15.1889, 18.7046



17.3674, 15.1889, 23.4951



18.1301, 15.1889, 14.5458

Sweetspot

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



11.8560, 15.1895, 11.1113



26.2124, 29.2766, 28.4716



15.0136, 16.6471, 11.2263



6.1502, 6.9349, 6.6203



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



11.8560, 15.1895, 11.1113



19.3360, 25.9776, 17.0414



12.3839, 15.3900, 14.3749



3.6509, 4.1035, 3.9419



7.0598, 14.0438, 2.3386



34.2588, 68.3628, 11.3897

Inverse Universe

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



13.5510, 11.5618, 18.0412



22.8480, 18.4588, 31.4032



12.9290, 11.3283, 14.0760



3.8152, 3.7520, 4.6134



11.0526, 5.2892, 18.9809



53.7111, 25.6976, 92.4895

Previews

White Background



This preview shows how the XYZ color 11.8556, 15.1889, 11.1110 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 11.8556, 15.1889, 11.1110 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 11.8556, 15.1889, 11.1110

Background



This preview shows how black text looks on a background with the XYZ color 11.8556, 15.1889, 11.1110.



This preview shows how white text looks on a background with the XYZ color 11.8556, 15.1889,

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

11.8556, 15.1889, 11.1110

Protanopia

14.0880, 15.0473, 10.1445

Deuteranopia

15.3577, 15.0575, 11.5481



Tritanopia

13.5888, 15.0521, 19.9584

Trichromacy



Original Color

11.8556, 15.1889, 11.1110

Protanomaly

13.0715, 14.9967, 10.3893

Deuteranomaly

13.8061, 14.8744, 11.3759

Tritanomaly

12.9263, 15.1171, 16.4240

Monochromacy



Original Color

11.8556, 15.1889, 11.1110

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.5572, 14.1849, 13.3854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8556, 15.1889, 11.1110 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(87, 116, 86)` looks like.

```
.text, #text, p{  
    color:rgb(87, 116, 86)  
}
```

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(87, 116, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 116, 86) }
```

Border

The CSS property to change the border of an element to XYZ 11.8556, 15.1889, 11.1110 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(87, 116, 86) }
```


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

```
.border{ border-color:rgb(87, 116, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 116, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 116, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 116, 86);  
box-shadow:4px 4px 4px 4px rgb(87, 116,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8556, 15.1889, 11.1110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 116, 86) }
```

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

```
.background{ background-color: rgb(87, 116,  
86) }
```

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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