

Converting Colors

XYZ(12.1205, 15.6758, 11.8298)

Have a look what the booklet for
XYZ(12.1205, 15.6758, 11.8298)
contains.

XYZ(12.1194, 15.6566, 11.8345) 3

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Color

**XYZ(12.1194, 15.6566,
11.8345)**

Conversions

Conversions Part 1	
Format	Color
Hex	567659
RGB	86, 118, 89
RGB Percent	34%, 46%, 35%
CMY	0.6627, 0.5372, 0.6510
CMYK	0.27, 0.00, 0.25, 0.54
HSL	126°, 16%, 40%
HSV	126°, 27%, 46%
XYZ	12.1194, 15.6566, 11.8345
YIQ	105.1260, -9.7630, -15.8030

Conversions

Conversions Part 2

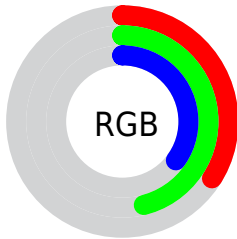
Format	Color
RYB	86, 115, 118
Decimal	5666393
CIELab	46.52, -17.82, 12.35
CIELCh	47, 21.683, 145.287
Yxy	15.6566, 0.3060, 0.3953
Android (android.graphics.Color)	4283856473 (0xFF567659)
YUV	105.1260, -7.9501, -16.7735
Hunter-Lab	39.5684, -14.5720, 9.9649

Details

The XYZ color **12.1194, 15.6566, 11.8345** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **13.8941, 11.7453, 17.7551**, and the grayscale version is **13.4845, 14.1868, 15.4494**.

A 20% lighter version of the original color is **29.1883, 35.8478, 29.8070**, and **3.4009, 4.8620, 3.0447** is the 20% darker color. If you saturate the color by 10%, you get **10.7045, 14.9758, 9.5921**, and if you desaturate by 10%, it is **13.7799, 16.4573, 14.4297**.

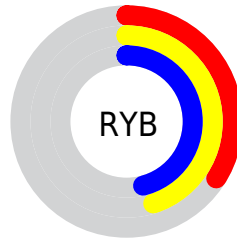
Distribution



Red (34%)

Green (46%)

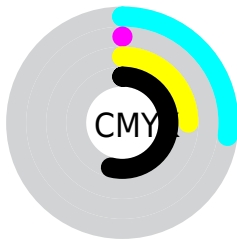
Blue (35%)



Red (34%)

Yellow (45%)

Blue (46%)

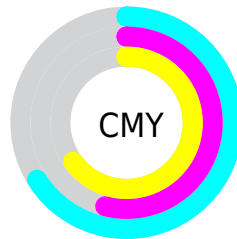


Cyan (27%)

Magenta (0%)

Yellow (25%)

Black (54%)



Cyan (66%)


Magenta (54%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1194, 15.6566, 11.8345 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 12.1194, 15.6566, 11.8345 by changing the saturation by 10% instead.


 12.1194, 15.6566,
11.8345


 12.1194, 15.6566,
11.8345


198.9480,
227.3068, 214.2454


 6.8978, 9.2815,
6.5099


 29.3274, 36.0010,
29.8532


 3.4440, 4.9252,
3.0838

 42.0444, 50.7391,
43.3844


 1.3927, 2.2035,
1.1376

 57.9907, 69.0336,
60.4882

 0.2510, 0.7219,
0.0000

 77.5316, 91.2690,
81.5832


 0.0000, 0.0000,
0.0000


 101.0324,
117.8296, 107.0878


128.8585,


149.0998, 137.4207


161.3752,
185.4641, 173.0004


 12.1194, 15.6566,
11.8345


 12.1194, 15.6566,
11.8345


 10.7045, 14.9758,
9.5921


 13.7799, 16.4573,
14.4297


 9.5222, 14.4073,
7.6862


 15.6954, 17.3813,
17.3909

 8.5604, 13.9456,
6.1009


 17.8766, 18.4340,
20.7318


 7.8055, 13.5840,
4.8187


 20.3332, 19.6203,
24.4653


 7.2421, 13.3150,
3.8202


 23.0741, 20.9446,
28.6036


 6.8527, 13.1302,
3.0838


 26.1083, 22.4111,
33.1582

 6.6015, 13.0115,
2.5841

 29.4439, 24.0239,
38.1404

 6.5395, 12.9818,
2.4796

 33.0891, 25.7868,
43.5609

 37.0515, 27.7037,
49.4302

Harmonies

Analogous

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



13.3989, 15.6566, 9.3349



12.1194, 15.6566, 11.8345



11.5806, 15.6566, 16.2160

Triad

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



12.1194, 15.6566, 11.8345



14.5879, 15.6566, 29.4927



18.3710, 15.6566, 13.0199

Complementary

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



12.1194, 15.6566, 11.8345



13.8941, 11.7453, 17.7551

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.



18.7558, 15.6566, 17.9067



12.1194, 15.6566, 11.8345



16.4688, 15.6566, 28.1433

Square

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



12.1194, 15.6566, 11.8345



12.9279, 15.6566, 26.9791



18.0334, 15.6566, 23.6024



17.0218, 15.6566, 9.9122

Rectangle

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



12.1194, 15.6566, 11.8345



11.6781, 15.6566, 19.9061



18.0334, 15.6566, 23.6024



18.6220, 15.6566, 14.4764

Sweetspot

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



12.1198, 15.6573, 11.8348



27.2105, 30.3744, 29.9835



15.2730, 17.2970, 11.3380



6.1545, 6.9345, 6.7371



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.



12.1198, 15.6573, 11.8348



19.5954, 26.7038, 18.0988



12.8494, 15.9491, 15.6767



3.6533, 4.1033, 4.0082



7.0719, 14.0428, 2.6690



34.3135, 68.3727, 12.2221

Inverse Universe

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



13.8941, 11.7453, 17.7551



23.3049, 18.5222, 30.4745



13.0676, 11.4147, 13.4031



3.8126, 3.7523, 4.5397



10.9479, 5.3129, 15.4656



53.1807, 25.8224, 74.4721

Previews

White Background



This preview shows how the XYZ color 12.1194, 15.6566, 11.8345 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 12.1194, 15.6566, 11.8345 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 12.1194, 15.6566, 11.8345

Background



This preview shows how black text looks on a background with the XYZ color 12.1194, 15.6566, 11.8345.



This preview shows how white text looks on a background with the XYZ color 12.1194, 15.6566,

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

12.1194, 15.6566, 11.8345

Protanopia

14.5517, 15.5896, 10.8365

Deuteranopia

15.8382, 15.5928, 12.3002



Tritanopia

14.0061, 15.7400, 21.0388

Trichromacy



Original Color
12.1194, 15.6566, 11.8345

Protanomaly
13.5287, 15.5463, 11.0918

Deuteranomaly
14.1463, 15.3519, 12.1152

Tritanomaly
13.2164, 15.5828, 17.3501

Monochromacy



Original Color
12.1194, 15.6566, 11.8345

Achromatopsia
13.4271, 14.1263, 15.3836

Achromatomaly
12.8651, 14.6494, 13.9539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1194, 15.6566, 11.8345 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(86, 118, 89)` looks like.

```
.text, #text, p{  
    color:rgb(86, 118, 89)  
}
```

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(86, 118, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 118, 89) }
```

Border

The CSS property to change the border of an element to XYZ 12.1194, 15.6566, 11.8345 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(86, 118, 89) }
```


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

```
.border{ border-color:rgb(86, 118, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 118, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 118, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 118, 89);  
box-shadow:4px 4px 4px 4px rgb(86, 118,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1194, 15.6566, 11.8345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 118, 89) }
```

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

```
.background{ background-color: rgb(86, 118,  
89) }
```

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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