

Converting Colors

XYZ(12.3858, 15.4612, 11.5536)

Have a look what the booklet for
XYZ(12.3858, 15.4612, 11.5536)
contains.

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Color

**XYZ(12.4205, 15.4707,
11.5640)**

Conversions

Conversions Part 1

Format	Color
Hex	5C7458
RGB	92, 116, 88
RGB Percent	36%, 45%, 35%
CMY	0.6392, 0.5451, 0.6549
CMYK	0.21, 0.00, 0.24, 0.55
HSL	111°, 14%, 40%
HSV	111°, 24%, 45%
XYZ	12.4205, 15.4707, 11.5640
YIQ	105.6320, -5.3160, -13.7960

Conversions

Conversions Part 2

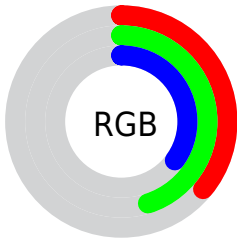
Format	Color
R_{YB}	88, 116, 112
Decimal	6059096
CIE Lab	46.27, -14.69, 12.65
CIE LCh	46, 19.384, 139.254
Yxy	15.4707, 0.3148, 0.3921
Android (android.graphics.Color)	4284249176 (0xFF5C7458)
YUV	105.6320, -8.6926, -11.9553
Hunter-Lab	39.3328, -12.4658, 10.1015

Details

The XYZ color **12.4205, 15.4707, 11.5640** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13.3248, 11.6855, 18.0771**, and the grayscale version is **13.6234, 14.3328, 15.6085**.

A 20% lighter version of the original color is **29.9178, 35.6799, 29.3548**, and **3.5672, 4.8593, 2.9404** is the 20% darker color. If you saturate the color by 10%, you get **11.0489, 14.8152, 9.1880**, and if you desaturate by 10%, it is **13.9998, 16.2253, 14.3496**.

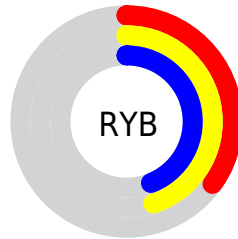
Distribution



Red (36%)

Green (45%)

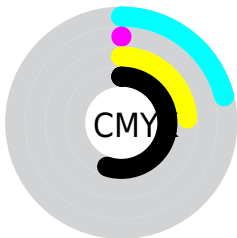
Blue (35%)



Red (35%)

Yellow (45%)

Blue (44%)

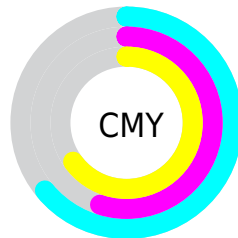


Cyan (21%)

Magenta (0%)

Yellow (24%)

Black (55%)



Cyan (64%)

Magenta (55%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4205, 15.4707, 11.5640 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 12.4205, 15.4707, 11.5640 by changing the saturation by 10% instead.

■ 12.4205, 15.4707,
11.5640

■ 12.4205, 15.4707,
11.5640

200.8832,
226.1978, 212.3715

■ 7.1050, 9.1504,
6.3286

■ 29.8689, 35.6768,
29.3509

■ 3.5747, 4.8394,
2.9739

■ 42.7325, 50.3315,
42.7395

■ 1.4645, 2.1533,
1.0813

■ 58.8429, 68.5330,
59.6830

■ 0.3015, 0.6944,
0.0000

■ 78.5653, 90.6658,
80.5998

■ 0.0000, 0.0000,
0.0000

■ 102.2652,
117.1143, 105.9085

130.3079,

148.2629, 136.0277

163.0588,
184.4959, 171.3758

■ 12.4205, 15.4707,
11.5640

■ 12.4205, 15.4707,
11.5640

■ 11.0489, 14.8152,
9.1880

■ 13.9998, 16.2253,
14.3496

■ 9.8751, 14.2529,
7.2014

■ 15.7938, 17.0809,
17.5617

■ 8.8903, 13.7800,
5.5836

■ 17.8105, 18.0417,
21.2176

■ 8.0844, 13.3919,
4.3119

■ 20.0573, 19.1112,
25.3332

■ 7.4466, 13.0834,
3.3611

■ 22.5410, 20.2926,
29.9239

■ 6.9645, 12.8490,
2.7026

■ 25.2685, 21.5890,
35.0040

■ 6.6227, 12.6814,
2.2940

■ 28.2461, 23.0035,
40.5874

■ 6.4693, 12.6067,
2.0924

■ 31.4800, 24.5390,
46.6875

■ 34.9761, 26.1982,
53.3171

Harmonies

Analogous

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



13.6787, 15.4707, 9.6162



12.4205, 15.4707, 11.5640



11.7913, 15.4707, 15.2004

Triad

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



12.4205, 15.4707, 11.5640



14.1184, 15.4707, 27.4928



17.9217, 15.4707, 14.0119

Complementary

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



12.4205, 15.4707, 11.5640



13.3248, 11.6855, 18.0771

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.



18.0617, 15.4707, 18.6040



12.4205, 15.4707, 11.5640



15.7802, 15.4707, 27.0100

Square

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



12.4205, 15.4707, 11.5640



12.7215, 15.4707, 24.7459



17.2525, 15.4707, 23.5295



16.8834, 15.4707, 10.8350

Rectangle

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



12.4205, 15.4707, 11.5640



11.7789, 15.4707, 18.3552



17.2525, 15.4707, 23.5295



18.0782, 15.4707, 15.4199

Sweetspot

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



12.4209, 15.4714, 11.5643



26.7625, 29.5475, 29.0722



14.7367, 15.9626, 11.5371



6.3538, 7.0343, 6.8803



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.



12.4209, 15.4714, 11.5643



20.4394, 26.5285, 17.9034



12.4655, 15.4443, 13.8302



3.6849, 4.1210, 3.9435



7.2487, 14.1412, 2.3475



34.8715, 68.6787, 11.4184

Inverse Universe

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



13.3248, 11.6855, 18.0771



22.3199, 18.6432, 31.4666



13.3047, 11.7376, 15.2552



3.7777, 3.7327, 4.6116



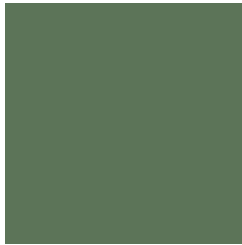
9.3535, 4.4133, 18.9014



45.0306, 21.2226, 92.0833

Previews

White Background



This preview shows how the XYZ color 12.4205, 15.4707, 11.5640 looks on a white background.

Color Contrast Check

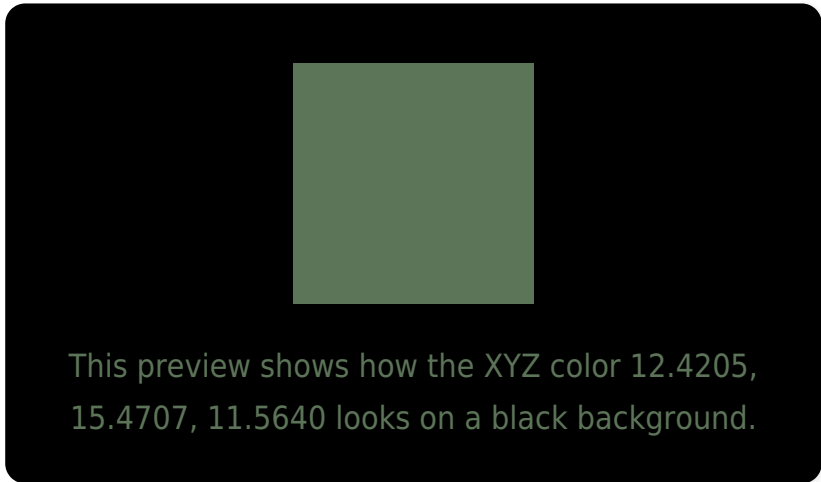
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.4205, 15.4707, 11.5640

Background



This preview shows how black text looks on a background with the XYZ color 12.4205, 15.4707, 11.5640.



This preview shows how white text looks on a background with the XYZ color 12.4205, 15.4707,

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

12.4205, 15.4707, 11.5640

Protanopia

14.4445, 15.3751, 10.8007

Deuteranopia

15.6494, 15.3534, 11.8115



Tritanopia

14.1751, 15.5102, 20.3358

Trichromacy



Original Color

12.4205, 15.4707, 11.5640

Protanomaly

13.6582, 15.4484, 11.0661

Deuteranomaly

14.2112, 15.2360, 11.6430

Tritanomaly

13.3848, 15.3473, 16.7249

Monochromacy



Original Color

12.4205, 15.4707, 11.5640

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.1949, 14.8194, 13.9694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4205, 15.4707, 11.5640 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(92, 116, 88) looks like.

```
.text, #text, p{  
    color:rgb(92, 116, 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(92, 116, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 116, 88) }
```

Border

The CSS property to change the border of an element to XYZ 12.4205, 15.4707, 11.5640 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(92, 116, 88) }
```


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

```
.border{ border-color:rgb(92, 116, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 116, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 116, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 116, 88);  
box-shadow:4px 4px 4px 4px rgb(92, 116,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4205, 15.4707, 11.5640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 116, 88) }
```

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

```
.background{ background-color: rgb(92, 116,  
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](#).

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