

Converting Colors

XYZ(12.0092, 15.4643, 11.3341)

Have a look what the booklet for
XYZ(12.0092, 15.4643, 11.3341)
contains.

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Color

**XYZ(12.0121, 15.4369,
11.3633)**

Conversions

Conversions Part 1

Format	Color
Hex	577557
RGB	87, 117, 87
RGB Percent	34%, 46%, 34%
CMY	0.6588, 0.5412, 0.6588
CMYK	0.26, 0.00, 0.26, 0.54
HSL	120°, 15%, 40%
HSV	120°, 26%, 46%
XYZ	12.0121, 15.4369, 11.3633
YIQ	104.6100, -8.2500, -15.6900

Conversions

Conversions Part 2

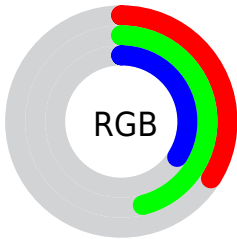
Format	Color
RYB	87, 117, 117
Decimal	5731671
CIELab	46.23, -17.30, 13.13
CIElCh	46, 21.717, 142.817
Yxy	15.4369, 0.3095, 0.3977
Android (android.graphics.Color)	4283921751 (0xFF577557)
YUV	104.6100, -8.6817, -15.4440
Hunter-Lab	39.2898, -14.1843, 10.3552

Details

The XYZ color **12.0121, 15.4369, 11.3633** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **13.9557, 11.8830, 18.3884**, and the grayscale version is **13.3465, 14.0416, 15.2913**.

A 20% lighter version of the original color is **29.0199, 35.5004, 28.9897**, and **3.4034, 4.8675, 2.8580** is the 20% darker color. If you saturate the color by 10%, you get **10.5672, 14.7433, 8.9995**, and if you desaturate by 10%, it is **13.7125, 16.2541, 14.1442**.

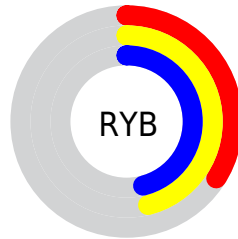
Distribution



Red (34%)

Green (46%)

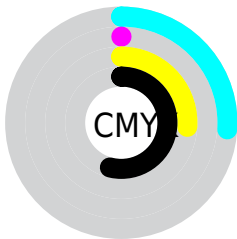
Blue (34%)



Red (34%)

Yellow (46%)

Blue (46%)

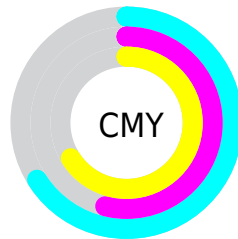


Cyan (26%)

Magenta (0%)

Yellow (26%)

Black (54%)



Cyan (66%)

Magenta (54%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0121, 15.4369, 11.3633 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 12.0121, 15.4369, 11.3633 by changing the saturation by 10% instead.

■ 12.0121, 15.4369,
11.3633

■ 12.0121, 15.4369,
11.3633

198.2537,
225.9956, 210.9694

■ 6.8242, 9.1266,
6.1945

■ 29.1338, 35.6178,
28.9769

■ 3.3977, 4.8238,
2.8930

■ 41.7983, 50.2572,
42.2588

■ 1.3674, 2.1443,
1.0403

■ 57.6857, 68.4418,
59.0821

■ 0.2328, 0.6894,
0.0000

■ 77.1614, 90.5559,
79.8654

■ 0.0000, 0.0000,
0.0000

■ 100.5906,
116.9839, 105.0273

128.3389,

148.1103, 134.9862

160.7714,
184.3194, 170.1608

■ 12.0121, 15.4369,
11.3633

■ 12.0121, 15.4369,
11.3633

■ 10.5672, 14.7433,
8.9995

■ 13.7125, 16.2541,
14.1442

■ 9.3642, 14.1654,
7.0317

■ 15.6784, 17.1985,
17.3600

■ 8.3902, 13.6976,
5.4387

■ 17.9211, 18.2758,
21.0284

■ 7.6309, 13.3328,
4.1967

■ 20.4507, 19.4909,
25.1661

■ 7.0699, 13.0634,
3.2791

■ 23.2768, 20.8484,
29.7888

■ 6.6888, 12.8803,
2.6557

■ 26.4087, 22.3527,
34.9115

■ 6.4533, 12.7672,
2.2706

■ 29.8549, 24.0082,
40.5487

■ 6.3616, 12.7231,
2.1205

■ 33.6241, 25.8187,
46.7140

■ 37.7243, 27.7882,
53.4207

Harmonies

Analogous

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



13.3332, 15.4369, 9.0461



12.0121, 15.4369, 11.3633



11.4128, 15.4369, 15.5639

Triad

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



12.0121, 15.4369, 11.3633



14.2312, 15.4369, 29.1049



18.2087, 15.4369, 13.1526

Complementary

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



12.0121, 15.4369, 11.3633



13.9557, 11.8830, 18.3884

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.



18.5000, 15.4369, 18.1171



12.0121, 15.4369, 11.3633



16.0982, 15.4369, 28.0810

Square

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



12.0121, 15.4369, 11.3633



12.6220, 15.4369, 26.3220



17.6989, 15.4369, 23.7623



16.9334, 15.4369, 9.9172

Rectangle

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



12.0121, 15.4369, 11.3633



11.4643, 15.4369, 19.1756



17.6989, 15.4369, 23.7623



18.4291, 15.4369, 14.6441

Sweetspot

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



12.0125, 15.4376, 11.3636



27.1249, 30.3401, 29.5324



15.3602, 17.0771, 11.5037



6.1322, 6.9256, 6.6194



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.



12.0125, 15.4376, 11.3636



19.8634, 26.8521, 17.6548



12.6657, 15.6988, 14.8038



3.6406, 4.0982, 3.9414



7.0088, 14.0175, 2.3363



34.1546, 68.3091, 11.3848

Inverse Universe

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



13.9557, 11.8830, 18.3884



23.9963, 19.2918, 32.5959



13.1679, 11.5679, 14.2400



3.8266, 3.7579, 4.6139



11.6202, 5.5818, 19.0075



56.6267, 27.2006, 92.6260

Previews

White Background



This preview shows how the XYZ color 12.0121, 15.4369, 11.3633 looks on a white background.

Color Contrast Check

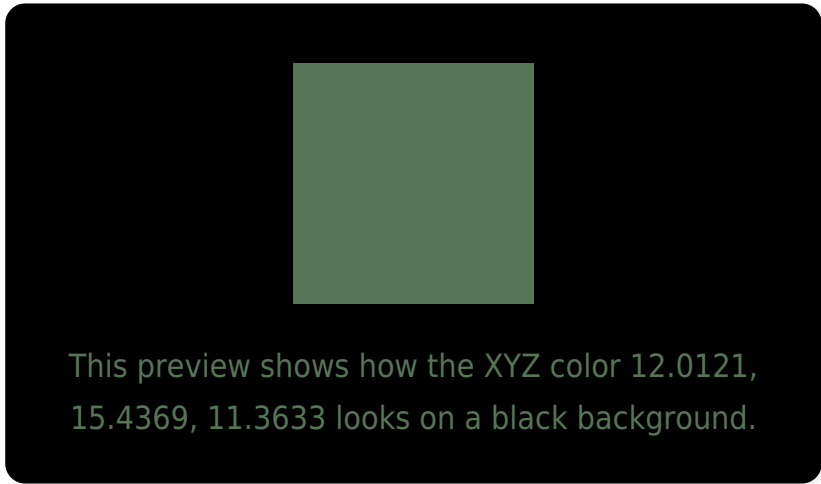
Large Text (above 18pt) WCAG AA ✓ Pass

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

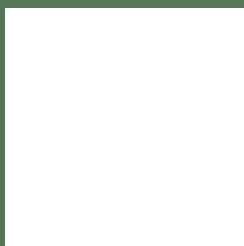
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0121, 15.4369, 11.3633

Background



This preview shows how black text looks on a background with the XYZ color 12.0121, 15.4369, 11.3633.



This preview shows how white text looks on a background with the XYZ color 12.0121, 15.4369,

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

12.0121, 15.4369, 11.3633

Protanopia

14.3661, 15.3437, 10.3881

Deuteranopia

15.6494, 15.3534, 11.8115



Tritanopia

13.7596, 15.2960, 20.3164

Trichromacy



Original Color

12.0121, 15.4369, 11.3633

Protanomaly

13.3383, 15.2926, 10.6363

Deuteranomaly

13.9539, 15.1033, 11.6310

Tritanomaly

13.0920, 15.3629, 16.7433

Monochromacy



Original Color

12.0121, 15.4369, 11.3633

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7102, 14.4158, 13.6679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0121, 15.4369, 11.3633 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, 117, 87)` looks like.

```
.text, #text, p{  
    color:rgb(87, 117, 87)  
}
```

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, 117, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 117, 87) }
```

Border

The CSS property to change the border of an element to XYZ 12.0121, 15.4369, 11.3633 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, 117, 87) }
```


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

```
.border{ border-color:rgb(87, 117, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 117, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 117, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 117, 87);  
box-shadow:4px 4px 4px 4px rgb(87, 117,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0121, 15.4369, 11.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 117, 87) }
```

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

```
.background{ background-color: rgb(87, 117,  
87) }
```

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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