

Converting Colors

XYZ(12.1606, 15.4118, 10.6590)

Have a look what the booklet for
XYZ(12.1606, 15.4118, 10.6590)
contains.

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Color

**XYZ(12.1600, 15.3550,
10.7104)**

Conversions

Conversions Part 1

Format	Color
Hex	5B7454
RGB	91, 116, 84
RGB Percent	36%, 45%, 33%
CMY	0.6431, 0.5451, 0.6706
CMYK	0.22, 0.00, 0.28, 0.55
HSL	107°, 16%, 39%
HSV	107°, 28%, 45%
XYZ	12.1600, 15.3550, 10.7104
YIQ	104.8770, -4.6280, -15.2520

Conversions

Conversions Part 2

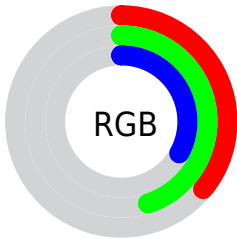
Format	Color
R_{YB}	84, 116, 109
Decimal	5993556
CIE _{Lab}	46.12, -15.80, 14.77
CIE _{LCh}	46, 21.632, 136.924
Yxy	15.3550, 0.3181, 0.4017
Android (android.graphics.Color)	4284183636 (0xFF5B7454)
YUV	104.8770, -10.2924, -12.1701
Hunter-Lab	39.1855, -13.1826, 11.2243

Details

The XYZ color **12.1600, 15.3550, 10.7104** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.6300, 10.8532, 17.9530**, and the grayscale version is **13.4221, 14.1211, 15.3779**.

A 20% lighter version of the original color is **29.4610, 35.4773, 27.8493**, and **3.4720, 4.8162, 2.6661** is the 20% darker color. If you saturate the color by 10%, you get **10.9028, 14.7555, 8.4731**, and if you desaturate by 10%, it is **13.6013, 16.0415, 13.3498**.

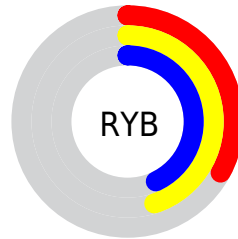
Distribution



Red (36%)

Green (45%)

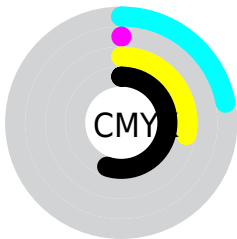
Blue (33%)



Red (33%)

Yellow (45%)

Blue (43%)

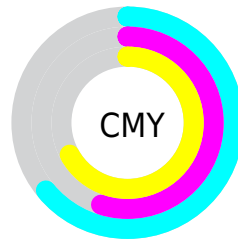


Cyan (22%)

Magenta (0%)

Yellow (28%)

Black (55%)



Cyan (64%)

Magenta (55%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1600, 15.3550, 10.7104 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 12.1600, 15.3550, 10.7104 by changing the saturation by 10% instead.

■ 12.1600, 15.3550,
10.7104

■ 12.1600, 15.3550,
10.7104

199.2100,
225.5050, 206.3354

■ 6.9257, 9.0689,
5.7607

■ 29.4005, 35.4748,
27.7518

■ 3.4616, 4.7862,
2.6337

■ 42.1375, 50.0772,
40.6806

■ 1.4023, 2.1223,
0.9098

■ 58.1060, 68.2206,
57.1063

■ 0.2579, 0.6771,
0.0000

■ 77.6715, 90.2893,
77.4472

■ 0.0000, 0.0000,
0.0000

■ 101.1993,
116.6677, 102.1221

129.0547,

147.7402, 131.5494

161.6032,
183.8911, 166.1476

■ 12.1600, 15.3550,
10.7104

■ 12.1600, 15.3550,
10.7104

■ 10.9028, 14.7555,
8.4731

■ 13.6013, 16.0415,
13.3498

■ 9.8208, 14.2377,
6.6173

■ 15.2324, 16.8164,
16.4086

■ 8.9064, 13.7985,
5.1219

■ 17.0605, 17.6834,
19.9045

■ 8.1509, 13.4339,
3.9635

■ 19.0921, 18.6453,
23.8535

■ 7.5447, 13.1395,
3.1158

■ 21.3330, 19.7051,
28.2712

■ 7.0772, 12.9105,
2.5488

■ 23.7892, 20.8654,
33.1722

■ 6.7280, 12.7382,
2.1845

■ 26.4663, 22.1288,
38.5705

■ 6.6558, 12.7028,
2.1011

■ 29.3697, 23.4977,
44.4797

■ 32.5044, 24.9746,
50.9127

Harmonies

Analogous

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



13.5887, 15.3550, 8.7789



12.1600, 15.3550, 10.7104



11.4128, 15.3550, 14.5301

Triad

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



12.1600, 15.3550, 10.7104



13.8087, 15.3550, 28.6564



18.2471, 15.3550, 13.9398

Complementary

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



12.1600, 15.3550, 10.7104



12.6300, 10.8532, 17.9530

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.



18.3185, 15.3550, 19.1174



12.1600, 15.3550, 10.7104



15.6487, 15.3550, 28.4049

Square

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



12.1600, 15.3550, 10.7104



12.3093, 15.3550, 25.2648



17.3339, 15.3550, 24.6366



17.1462, 15.3550, 10.3569

Rectangle

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



12.1600, 15.3550, 10.7104



11.3569, 15.3550, 17.9703



17.3339, 15.3550, 24.6366



18.3953, 15.3550, 15.5271

Sweetspot

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



12.1604, 15.3557, 10.7107



26.5882, 29.4704, 28.4892



14.2223, 15.1917, 10.5704



6.2523, 6.9875, 6.6250



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.



12.1604, 15.3557, 10.7107



19.9566, 26.3148, 16.2884



11.8572, 15.1583, 12.5491



3.7087, 4.1333, 3.9446



7.4547, 14.2474, 2.3571



35.7115, 69.1117, 11.4577

Inverse Universe

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



12.6300, 10.8532, 17.9530



20.9221, 17.0253, 31.2280



13.0518, 11.1254, 15.4991



3.7520, 3.7195, 4.6104



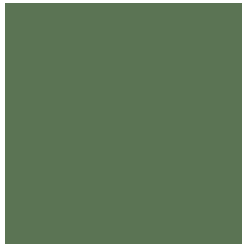
8.3225, 3.8817, 18.8532



39.8076, 18.5300, 91.8389

Previews

White Background



This preview shows how the XYZ color 12.1600, 15.3550, 10.7104 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 12.1600, 15.3550, 10.7104 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 12.1600, 15.3550, 10.7104

Background



This preview shows how black text looks on a background with the XYZ color 12.1600, 15.3550, 10.7104.



This preview shows how white text looks on a background with the XYZ color 12.1600, 15.3550,

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

12.1600, 15.3550, 10.7104

Protanopia

14.2900, 15.3133, 9.9872

Deuteranopia

15.4837, 15.2871, 10.9387



Tritanopia

14.0044, 15.2663, 19.9779

Trichromacy



Original Color

12.1600, 15.3550, 10.7104

Protanomaly

13.5015, 15.3857, 10.2408

Deuteranomaly

14.0478, 15.1706, 10.7821

Tritanomaly

13.2783, 15.3047, 16.1642

Monochromacy



Original Color

12.1600, 15.3550, 10.7104

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8818, 14.5097, 13.4310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1600, 15.3550, 10.7104 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(91, 116, 84) looks like.

```
.text, #text, p{  
    color:rgb(91, 116, 84)  
}
```

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(91, 116, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 116, 84) }
```

Border

The CSS property to change the border of an element to XYZ 12.1600, 15.3550, 10.7104 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(91, 116, 84) }
```


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

```
.border{ border-color:rgb(91, 116, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 116, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 116, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 116, 84);  
box-shadow:4px 4px 4px 4px rgb(91, 116,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1600, 15.3550, 10.7104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 116, 84) }
```

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

```
.background{ background-color: rgb(91, 116,  
84) }
```

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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