

Converting Colors

XYZ(12.0142, 15.5101, 13.7828)

Have a look what the booklet for
XYZ(12.0142, 15.5101, 13.7828)
contains.

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Color

**XYZ(12.0294, 15.5693,
13.6804)**

Conversions

Conversions Part 1

Format	Color
Hex	517661
RGB	81, 118, 97
RGB Percent	32%, 46%, 38%
CMY	0.6824, 0.5372, 0.6196
CMYK	0.31, 0.00, 0.18, 0.54
HSL	146°, 19%, 39%
HSV	146°, 31%, 46%
XYZ	12.0294, 15.5693, 13.6804
YIQ	104.5430, -15.3110, -14.3750

Conversions

Conversions Part 2

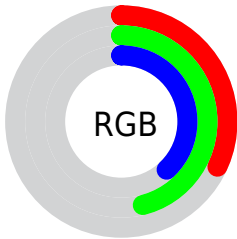
Format	Color
R_{YB}	81, 107, 118
Decimal	5338721
CIE Lab	46.40, -17.95, 7.42
CIE LCh	46, 19.421, 157.531
Yxy	15.5693, 0.2914, 0.3772
Android (android.graphics.Color)	4283528801 (0xFF517661)
YUV	104.5430, -3.7187, -20.6472
Hunter-Lab	39.4580, -14.6328, 7.0642

Details

The XYZ color **12.0294, 15.5693, 13.6804** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.8124, 10.6960, 13.9601**, and the grayscale version is **13.3168, 14.0103, 15.2573**.

A 20% lighter version of the original color is **29.0801, 35.7129, 33.3776**, and **3.3854, 4.8353, 3.8869** is the 20% darker color. If you saturate the color by 10%, you get **10.8056, 14.9734, 12.0613**, and if you desaturate by 10%, it is **13.4562, 16.2676, 15.4473**.

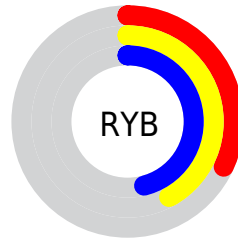
Distribution



Red (32%)

Green (46%)

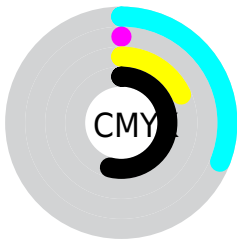
Blue (38%)



Red (32%)

Yellow (42%)

Blue (46%)

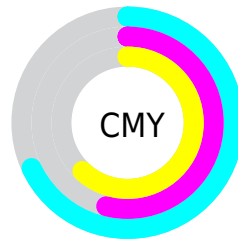


Cyan (31%)

Magenta (0%)

Yellow (18%)

Black (54%)



Cyan (68%)

Magenta (54%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0294, 15.5693, 13.6804 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 12.0294, 15.5693, 13.6804 by changing the saturation by 10% instead.

■ 12.0294, 15.5693,
13.6804

■ 12.0294, 15.5693,
13.6804

198.3658,
226.7867, 226.5923

■ 6.8360, 9.2199,
7.7625

■ 29.1650, 35.8489,
33.2298

■ 3.4052, 4.8849,
3.8578

■ 41.8380, 50.5478,
47.6984

■ 1.3715, 2.1799,
1.5476

■ 57.7349, 68.7987,
65.8543

■ 0.2358, 0.7090,
0.2530

■ 77.2211, 90.9860,
88.1160

■ 0.0000, 0.0000,
0.0000

■ 100.6619,
117.4940, 114.9021

128.4228,

148.7072, 146.6312

160.8689,
185.0100, 183.7217

■ 12.0294, 15.5693,
13.6804

■ 12.0294, 15.5693,
13.6804

■ 10.8056, 14.9734,
12.0613

■ 13.4562, 16.2676,
15.4473

■ 9.7738, 14.4731,
10.5852

■ 15.0938, 17.0711,
17.3647

■ 8.9238, 14.0636,
9.2484

■ 16.9510, 17.9846,
19.4365

■ 8.2440, 13.7391,
8.0467

■ 19.0360, 19.0123,
21.6661

■ 7.7212, 13.4927,
6.9756

■ 21.3564, 20.1580,
24.0568

■ 7.3403, 13.3169,
6.0304

■ 23.9193, 21.4253,
26.6119

■ 7.0769, 13.1968,
5.3093

■ 26.7318, 22.8178,
29.3344

■ 29.8004, 24.3389,
32.2275

■ 33.1316, 25.9918,
35.2940

Harmonies

Analogous

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



12.9301, 15.5693, 10.6649



12.0294, 15.5693, 13.6804



11.8425, 15.5693, 18.1841

Triad

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



12.0294, 15.5693, 13.6804



15.2222, 15.5693, 27.7785



17.4884, 15.5693, 11.9525

Complementary

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



12.0294, 15.5693, 13.6804



12.8124, 10.6960, 13.9601

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.



18.2087, 15.5693, 15.7775



12.0294, 15.5693, 13.6804



16.8379, 15.5693, 25.3239

Square

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



12.0294, 15.5693, 13.6804



13.6066, 15.5693, 26.9288



17.9621, 15.5693, 20.7083



16.0573, 15.5693, 9.8057

Rectangle

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



12.0294, 15.5693, 13.6804



12.1339, 15.5693, 21.5593



17.9621, 15.5693, 20.7083



17.8264, 15.5693, 13.0534

Sweetspot

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



12.0298, 15.5699, 13.6807



27.2022, 30.3413, 31.2854



13.5100, 16.4107, 10.2401



6.1696, 6.9343, 7.0971



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.



12.0298, 15.5699, 13.6807



19.4862, 26.5640, 21.8700



12.9620, 15.9428, 18.5894



3.7003, 4.1221, 4.2555



7.6497, 14.2739, 5.7115



36.8646, 69.3931, 25.6560

Inverse Universe

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



12.8124, 10.6960, 13.9601



21.1035, 16.4863, 22.4433



12.0175, 10.3780, 9.7745



3.7629, 3.7324, 4.2781



9.1717, 4.6024, 6.1122



44.2588, 22.2536, 27.4900

Previews

White Background



This preview shows how the XYZ color 12.0294, 15.5693, 13.6804 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 12.0294, 15.5693, 13.6804 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 12.0294, 15.5693, 13.6804

Background



This preview shows how black text looks on a background with the XYZ color 12.0294, 15.5693, 13.6804.



This preview shows how white text looks on a background with the XYZ color 12.0294, 15.5693,

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

12.0294, 15.5693, 13.6804

Protanopia

14.5147, 15.3724, 12.5581

Deuteranopia

15.7665, 15.5133, 14.2200



Tritanopia

13.4302, 15.4431, 21.0119

Trichromacy



Original Color

12.0294, 15.5693, 13.6804

Protanomaly

13.4081, 15.2801, 12.8323

Deuteranomaly

14.0124, 15.2409, 14.0076

Tritanomaly

12.8242, 15.3612, 18.2087

Monochromacy



Original Color

12.0294, 15.5693, 13.6804

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7981, 14.5980, 14.7135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0294, 15.5693, 13.6804 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(81, 118, 97)` looks like.

```
.text, #text, p{  
    color:rgb(81, 118, 97)  
}
```

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(81, 118, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 118, 97) }
```

Border

The CSS property to change the border of an element to XYZ 12.0294, 15.5693, 13.6804 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(81, 118, 97) }
```


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

```
.border{ border-color:rgb(81, 118, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 118, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 118, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 118, 97);  
box-shadow:4px 4px 4px 4px rgb(81, 118,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0294, 15.5693, 13.6804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 118, 97) }
```

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

```
.background{ background-color: rgb(81, 118,  
97) }
```

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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