

Converting Colors

XYZ(12.0478, 15.2902, 13.1070)

Have a look what the booklet for
XYZ(12.0478, 15.2902, 13.1070)
contains.

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Color

**XYZ(12.0573, 15.2483,
13.1342)**

Conversions

Conversions Part 1

Format	Color
Hex	55745F
RGB	85, 116, 95
RGB Percent	33%, 45%, 37%
CMY	0.6667, 0.5451, 0.6274
CMYK	0.27, 0.00, 0.18, 0.55
HSL	139°, 15%, 39%
HSV	139°, 27%, 45%
XYZ	12.0573, 15.2483, 13.1342
YIQ	104.3370, -11.7350, -13.1030

Conversions

Conversions Part 2

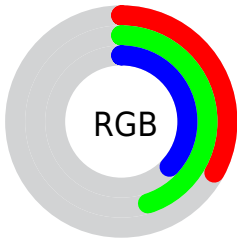
Format	Color
RYB	85, 108, 116
Decimal	5600351
CIELab	45.97, -15.89, 8.03
CIElCh	46, 17.804, 153.195
Yxy	15.2483, 0.2982, 0.3771
Android (android.graphics.Color)	4283790431 (0xFF55745F)
YUV	104.3370, -4.6031, -16.9585
Hunter-Lab	39.0491, -13.2199, 7.3921

Details

The XYZ color **12.0573, 15.2483, 13.1342** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0531, 11.2511, 15.1201**, and the grayscale version is **13.2630, 13.9538, 15.1956**.

A 20% lighter version of the original color is **29.1051, 35.2005, 32.0484**, and **3.4582, 4.7873, 3.6475** is the 20% darker color. If you saturate the color by 10%, you get **10.7499, 14.6140, 11.3016**, and if you desaturate by 10%, it is **13.5742, 15.9873, 15.1654**.

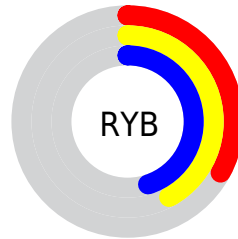
Distribution



Red (33%)

Green (45%)

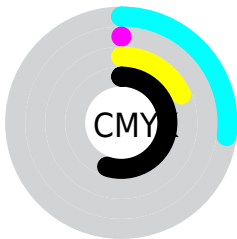
Blue (37%)



Red (33%)

Yellow (42%)

Blue (45%)

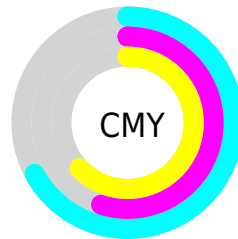


Cyan (27%)

Magenta (0%)

Yellow (18%)

Black (55%)



Cyan (67%)

Magenta (55%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0573, 15.2483, 13.1342 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 12.0573, 15.2483, 13.1342 by changing the saturation by 10% instead.

■ 12.0573, 15.2483,
13.1342

■ 12.0573, 15.2483,
13.1342

198.5464,
224.8642, 223.0139

■ 6.8552, 8.9938,
7.3892

■ 29.2154, 35.2882,
32.2394

■ 3.4172, 4.7372,
3.6246

■ 41.9020, 49.8424,
46.4367

■ 1.3780, 2.0939,
1.4217

■ 57.8143, 67.9320,
64.2884

■ 0.2405, 0.6612,
0.1586

■ 77.3175, 89.9413,
86.2133

■ 0.0000, 0.0000,
0.0000

■ 100.7769,
116.2548, 112.6297

128.5580,

147.2569, 143.9562

161.0260,
183.3319, 180.6115

■ 12.0573, 15.2483,
13.1342

■ 12.0573, 15.2483,
13.1342

■ 10.7499, 14.6140,
11.3016

■ 13.5742, 15.9873,
15.1654

■ 9.6415, 14.0777,
9.6606

■ 15.3083, 16.8336,
17.4000

■ 8.7220, 13.6350,
8.2052

■ 17.2684, 17.7920,
19.8438

■ 7.9805, 13.2802,
6.9288

■ 19.4622, 18.8664,
22.5020

■ 7.4044, 13.0070,
5.8245

■ 21.8974, 20.0606,
25.3797

■ 6.9797, 12.8084,
4.8845

■ 24.5810, 21.3782,
28.4819

■ 6.6761, 12.6690,
4.1002

■ 27.5200, 22.8226,
31.8134

■ 6.5862, 12.6275,
3.8750

■ 30.7210, 24.3972,
35.3786

■ 34.1902, 26.1050,
39.1823

Harmonies

Analogous

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



12.9636, 15.2483, 10.5810



12.0573, 15.2483, 13.1342



11.7879, 15.2483, 17.0696

Triad

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



12.0573, 15.2483, 13.1342



14.6551, 15.2483, 26.3447



17.0559, 15.2483, 12.4608

Complementary

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



12.0573, 15.2483, 13.1342



13.0531, 11.2511, 15.1201

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.



17.5834, 15.2483, 16.1446



12.0573, 15.2483, 13.1342



16.1383, 15.2483, 24.5615

Square

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



12.0573, 15.2483, 13.1342



13.2251, 15.2483, 25.1669



17.2366, 15.2483, 20.6339



15.8396, 15.2483, 10.2421

Rectangle

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



12.0573, 15.2483, 13.1342



11.9892, 15.2483, 20.0909



17.2366, 15.2483, 20.6339



17.3233, 15.2483, 13.5438

Sweetspot

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



12.0577, 15.2489, 13.1345



26.4329, 29.3572, 29.9813



13.8513, 16.2228, 10.9959



6.2102, 6.9568, 7.0303



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.



12.0577, 15.2489, 13.1345



19.7528, 26.1034, 21.0856



12.8240, 15.5554, 17.1697



3.6848, 4.1159, 4.1742



7.3830, 14.1672, 4.3069



35.6250, 68.8973, 19.1284

Inverse Universe

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



13.0531, 11.2511, 15.1201



21.8098, 17.8368, 25.1858



12.3262, 10.9603, 11.2923



3.7788, 3.7388, 4.3618



9.6410, 4.7901, 8.5837



46.5775, 23.1811, 39.7001

Previews

White Background



This preview shows how the XYZ color 12.0573, 15.2483, 13.1342 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 12.0573, 15.2483, 13.1342 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 12.0573, 15.2483, 13.1342

Background



This preview shows how black text looks on a background with the XYZ color 12.0573, 15.2483, 13.1342.

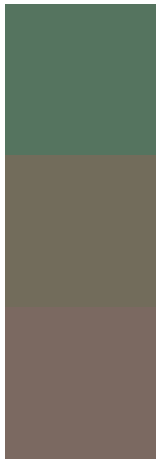


This preview shows how white text looks on a background with the XYZ color 12.0573, 15.2483,

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

12.0573, 15.2483, 13.1342

Protanopia

14.1903, 15.0579, 12.0561

Deuteranopia

15.3776, 15.1772, 13.4283



Tritanopia

13.4618, 15.1425, 20.3024

Trichromacy



Original Color

12.0573, 15.2483, 13.1342

Protanomaly

13.2097, 15.0252, 12.3291

Deuteranomaly

13.8866, 15.0330, 13.2361

Tritanomaly

12.8543, 15.0548, 17.5576

Monochromacy



Original Color

12.0573, 15.2483, 13.1342

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.6413, 14.2061, 14.3877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0573, 15.2483, 13.1342 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(85, 116, 95) looks like.

```
.text, #text, p{  
    color:rgb(85, 116, 95)  
}
```

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(85, 116, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 116, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.0573, 15.2483, 13.1342 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(85, 116, 95) }
```


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

```
.border{ border-color:rgb(85, 116, 95) }
```

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

Here you see how a box with a 4 pixel rgb(85, 116, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 116, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 116, 95);  
box-shadow:4px 4px 4px 4px rgb(85, 116,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0573, 15.2483, 13.1342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 116, 95) }
```

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

```
.background{ background-color: rgb(85, 116,  
95) }
```

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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