

Converting Colors

XYZ(12.1824, 16.0015, 13.7558)

Have a look what the booklet for
XYZ(12.1824, 16.0015, 13.7558)
contains.

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Color

**XYZ(12.1824, 16.0015,
13.7558)**

Conversions

Conversions Part 1

Format	Color
Hex	507861
RGB	80, 120, 97
RGB Percent	31%, 47%, 38%
CMY	0.6863, 0.5294, 0.6196
CMYK	0.33, 0.00, 0.19, 0.53
HSL	145°, 20%, 39%
HSV	145°, 33%, 47%
XYZ	12.1824, 16.0015, 13.7558
YIQ	105.4180, -16.4570, -15.6330

Conversions

Conversions Part 2

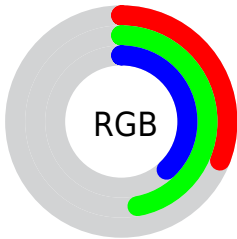
Format	Color
R _{YB}	80, 108, 120
Decimal	5273697
CIE Lab	46.98, -19.35, 8.23
CIE LCh	47, 21.028, 156.974
Yxy	16.0015, 0.2905, 0.3815
Android (android.graphics.Color)	4283463777 (0xFF507861)
YUV	105.4180, -4.1501, -22.2916
Hunter-Lab	40.0019, -15.6419, 7.6127

Details

The XYZ color **12.1824, 16.0015, 13.7558** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0631, 10.7100, 14.2113**, and the grayscale version is **13.5552, 14.2611, 15.5304**.

A 20% lighter version of the original color is **29.3037, 36.3890, 33.4963**, and **3.4780, 5.0688, 3.9270** is the 20% darker color. If you saturate the color by 10%, you get **10.9505, 15.4024, 12.0912**, and if you desaturate by 10%, it is **13.6242, 16.7064, 15.5770**.

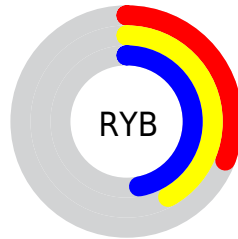
Distribution



Red (31%)

Green (47%)

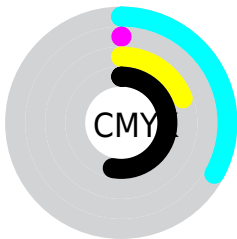
Blue (38%)



Red (31%)

Yellow (42%)

Blue (47%)

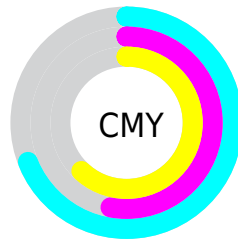


Cyan (33%)

Magenta (0%)

Yellow (19%)

Black (53%)



Cyan (69%)

Magenta (53%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1824, 16.0015, 13.7558 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 12.1824, 16.0015, 13.7558 by changing the saturation by 10% instead.

■ 12.1824, 16.0015,
13.7558

■ 12.1824, 16.0015,
13.7558

199.3545,
229.3506, 227.0817

■ 6.9411, 9.5252,
7.8142

■ 29.4409, 36.6008,
33.3660

■ 3.4713, 5.0853,
3.8902

■ 42.1887, 51.4926,
47.8716

■ 1.4076, 2.2974,
1.5653

■ 58.1695, 69.9584,
66.0691

■ 0.2616, 0.7723,
0.2659

■ 77.7486, 92.3825,
88.3768

■ 0.0000, 0.0000,
0.0000

■ 101.2912,
119.1494, 115.2134

129.1629,

150.6435, 146.9974

161.7288,
187.2490, 184.1473

■ 12.1824, 16.0015,
13.7558

■ 12.1824, 16.0015,
13.7558

■ 10.9505, 15.4024,
12.0912

■ 13.6242, 16.7064,
15.5770

■ 9.9168, 14.9020,
10.5780

■ 15.2842, 17.5200,
17.5579

■ 9.0705, 14.4950,
9.2121


■ 17.1718, 18.4476,
19.7025


■ 8.3991, 14.1753,
7.9890


■ 19.2954, 19.4934,
22.0147


■ 7.8885, 13.9356,
6.9037


■ 21.6632, 20.6615,
24.4980


 7.5210, 13.7668,
5.9511

 24.2828, 21.9559,
27.1560

 7.3143, 13.6726,
5.3855

 27.1614, 23.3801,
29.9920

 30.3061, 24.9377,
33.0093

 33.7236, 26.6321,
36.2111

Harmonies

Analogous

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



13.1806, 16.0015, 10.5225



12.1824, 16.0015, 13.7558



11.9634, 16.0015, 18.6811

Triad

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



12.1824, 16.0015, 13.7558



15.6422, 16.0015, 29.5260



18.2111, 16.0015, 12.0162

Complementary

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



12.1824, 16.0015, 13.7558



13.0631, 10.7100, 14.2113

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.



18.9940, 16.0015, 16.2225



12.1824, 16.0015, 13.7558



17.4354, 16.0015, 26.8258

Square

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



12.1824, 16.0015, 13.7558



13.8679, 16.0015, 28.4983



18.6993, 16.0015, 21.6899



16.6338, 16.0015, 9.6685

Rectangle

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



12.1824, 16.0015, 13.7558



12.2714, 16.0015, 22.4296



18.6993, 16.0015, 21.6899



18.5815, 16.0015, 13.2229

Sweetspot

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



12.1828, 16.0022, 13.7562



27.8630, 31.2954, 32.0139



13.7968, 16.9162, 10.1275



6.5165, 7.3741, 7.4872



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.1828, 16.0022, 13.7562



19.7372, 27.3212, 21.9304



13.2166, 16.4157, 19.1998



4.0150, 4.4756, 4.6128



7.9723, 14.9126, 5.8388



37.6210, 70.9714, 25.7057

Inverse Universe

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



13.0631, 10.7100, 14.2113



21.5363, 16.4977, 22.8555



12.1891, 10.3604, 9.6088



4.0859, 4.0501, 4.6498



9.6149, 4.8221, 6.5288



45.4313, 22.8289, 28.8653

Previews

White Background



This preview shows how the XYZ color 12.1824, 16.0015, 13.7558 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 12.1824, 16.0015, 13.7558 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 12.1824, 16.0015, 13.7558

Background



This preview shows how black text looks on a background with the XYZ color 12.1824, 16.0015, 13.7558.

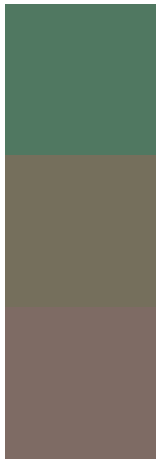


This preview shows how white text looks on a background with the XYZ color 12.1824, 16.0015,

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

12.1824, 16.0015, 13.7558

Protanopia

14.9523, 15.9235, 12.4107

Deuteranopia

16.1621, 15.8711, 14.2682



Tritanopia

13.7848, 15.9499, 21.7541

Trichromacy



Original Color

12.1824, 16.0015, 13.7558

Protanomaly

13.7466, 15.7858, 12.9121

Deuteranomaly

14.3530, 15.7404, 14.0861

Tritanomaly

13.1120, 15.8452, 18.5870

Monochromacy



Original Color

12.1824, 16.0015, 13.7558

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 12.1824, 16.0015, 13.7558 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(80, 120, 97)` looks like.

```
.text, #text, p{  
    color:rgb(80, 120, 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(80, 120, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 120, 97) }
```

Border

The CSS property to change the border of an element to XYZ 12.1824, 16.0015, 13.7558 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(80, 120, 97) }
```


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

```
.border{ border-color:rgb(80, 120, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 120, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 120, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 120, 97);  
box-shadow:4px 4px 4px 4px rgb(80, 120,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1824, 16.0015, 13.7558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 120, 97) }
```

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

```
.background{ background-color: rgb(80, 120,  
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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