

Converting Colors

XYZ(12.3835, 14.7191, 15.7554)

Have a look what the booklet for
XYZ(12.3835, 14.7191, 15.7554)
contains.

XYZ(12.4202, 14.7037, 15.8191)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.4202, 14.7037,
15.8191)**

Conversions

Conversions Part 1

Format	Color
Hex	58706A
RGB	88, 112, 106
RGB Percent	35%, 44%, 42%
CMY	0.6549, 0.5608, 0.5843
CMYK	0.21, 0.00, 0.05, 0.56
HSL	165°, 12%, 39%
HSV	165°, 21%, 44%
XYZ	12.4202, 14.7037, 15.8191
YIQ	104.1400, -12.3780, -6.9540

Conversions

Conversions Part 2

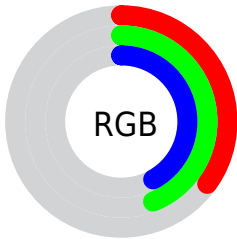
Format	Color
R_{YB}	88, 102, 112
Decimal	5795946
CIE _{Lab}	45.23, -10.18, 0.42
CIE _{LCh}	45, 10.185, 177.632
Yxy	14.7037, 0.2892, 0.3424
Android (android.graphics.Color)	4283986026 (0xFF58706A)
YUV	104.1400, 0.9170, -14.1548
Hunter-Lab	38.3454, -9.2877, 2.3822

Details

The XYZ color **12.4202, 14.7037, 15.8191** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.1928, 11.2327, 12.1159**, and the grayscale version is **13.1959, 13.8832, 15.1188**.

A 20% lighter version of the original color is **29.8425, 34.3885, 36.9631**, and **3.5777, 4.4748, 4.8128** is the 20% darker color. If you saturate the color by 10%, you get **11.2972, 14.1417, 15.0188**, and if you desaturate by 10%, it is **13.7117, 15.3528, 16.6527**.

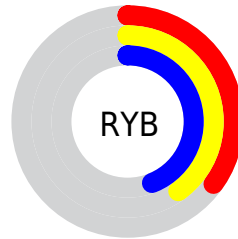
Distribution



Red (35%)

Green (44%)

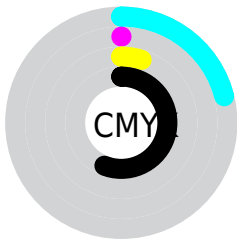
Blue (42%)



Red (35%)

Yellow (40%)

Blue (44%)

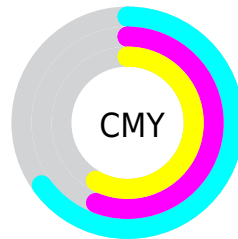


Cyan (21%)

Magenta (0%)

Yellow (5%)

Black (56%)



Cyan (65%)

Magenta (56%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4202, 14.7037, 15.8191 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 12.4202, 14.7037, 15.8191 by changing the saturation by 10% instead.

■ 12.4202, 14.7037,
15.8191

■ 12.4202, 14.7037,
15.8191

200.8812,
221.5657, 240.0810

■ 7.1048, 8.6117,
9.2433

■ 29.8684, 34.3325,
37.0463

■ 3.5746, 4.4888,
4.8012

■ 42.7319, 48.6382,
52.5347

■ 1.4644, 1.9506,
2.0744

■ 58.8421, 66.4505,
71.8311

■ 0.3014, 0.5785,
0.6005

■ 78.5643, 88.1538,
95.3539

■ 0.0000, 0.0000,
0.0000

■ 102.2640,
114.1326, 123.5218

130.3065,

144.7713, 156.7533

163.0571,
180.4542, 195.4668

■ 12.4202, 14.7037,
15.8191

■ 12.4202, 14.7037,
15.8191

■ 11.2972, 14.1417,
15.0188

■ 13.7117, 15.3528,
16.6527

■ 10.3340, 13.6612,
14.2503

■ 15.1775, 16.0908,
17.5193

■ 9.5230, 13.2586,
13.5133

■ 16.8245, 16.9216,
18.4196

■ 8.8555, 12.9294,
12.8071

■ 18.6590, 17.8485,
19.3542

■ 8.3217, 12.6686,
12.1311

■ 20.6869, 18.8746,
20.3236

■ 7.9109, 12.4707,
11.4845

■ 22.9139, 20.0028,
21.3283

■ 7.6103, 12.3291,
10.8664

■ 25.3455, 21.2357,
22.3688

■ 7.3945, 12.2289,
10.3571

■ 27.9868, 22.5763,
23.4455

■ 30.8428, 24.0270,
24.5588

Harmonies

Analogous

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



12.6528, 14.7037, 13.6548



12.4202, 14.7037, 15.8191



12.5903, 14.7037, 18.2568

Triad

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



12.4202, 14.7037, 15.8191



14.7394, 14.7037, 20.4765



14.8597, 14.7037, 12.4059

Complementary

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



12.4202, 14.7037, 15.8191



12.1928, 11.2327, 12.1159

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.



15.4586, 14.7037, 13.9553



12.4202, 14.7037, 15.8191



15.3872, 14.7037, 18.6212

Square

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



12.4202, 14.7037, 15.8191



13.9087, 14.7037, 21.1009



15.6553, 14.7037, 16.2021



14.0424, 14.7037, 11.8116

Rectangle

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



12.4202, 14.7037, 15.8191



12.9131, 14.7037, 19.6837



15.6553, 14.7037, 16.2021



15.0945, 14.7037, 12.8242

Sweetspot

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



12.4206, 14.7043, 15.8194



25.4055, 27.6333, 30.0486



12.2133, 14.6945, 11.4254



6.0749, 6.6243, 7.2021



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.4206, 14.7043, 15.8194



20.7466, 25.2932, 27.0438



12.1450, 13.6358, 17.3219



3.4411, 3.8016, 4.1289



8.5388, 14.1330, 11.9239



42.1773, 70.2596, 57.5125

Inverse Universe

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



12.1928, 11.2327, 12.1159



20.2664, 17.9685, 19.2326



12.4113, 12.0842, 10.9111



3.4156, 3.4139, 3.7151



7.9589, 4.0759, 1.5936



39.3468, 20.1841, 6.3585

Previews

White Background



This preview shows how the XYZ color 12.4202, 14.7037, 15.8191 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 12.4202, 14.7037, 15.8191 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

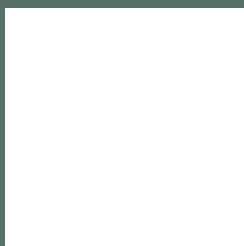
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4202, 14.7037, 15.8191

Background



This preview shows how black text looks on a background with the XYZ color 12.4202, 14.7037, 15.8191.



This preview shows how white text looks on a background with the XYZ color 12.4202, 14.7037,

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

12.4202, 14.7037, 15.8191

Protanopia

14.0326, 14.6023, 14.9109

Deuteranopia

14.8931, 14.5651, 16.2138



Tritanopia

13.2201, 14.7079, 19.5949

Trichromacy



Original Color

12.4202, 14.7037, 15.8191

Protanomaly

13.3407, 14.5494, 15.2019

Deuteranomaly

13.7517, 14.4338, 15.9711

Tritanomaly

12.9382, 14.7574, 18.0861

Monochromacy



Original Color

12.4202, 14.7037, 15.8191

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8445, 14.1320, 15.4154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4202, 14.7037, 15.8191 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(88, 112, 106) looks like.

```
.text, #text, p{  
    color:rgb(88, 112, 106)  
}
```

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(88, 112, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 112, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.4202, 14.7037, 15.8191 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(88, 112, 106) }
```


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

```
.border{ border-color:rgb(88, 112, 106) }
```

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

Here you see how a box with a 4 pixel rgb(88, 112, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 112, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 112, 106);  
box-shadow:4px 4px 4px 4px rgb(88, 112,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4202, 14.7037, 15.8191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 112, 106) }
```

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

```
.background{ background-color: rgb(88, 112,  
106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor