

Converting Colors

XYZ(13.4732, 12.3954, 11.7080)

Have a look what the booklet for
XYZ(13.4732, 12.3954, 11.7080)
contains.

XYZ(13.5046, 12.4201, 11.8108)	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(13.5046, 12.4201,
11.8108)**

Conversions

Conversions Part 1

Format	Color
Hex	785C5C
RGB	120, 92, 92
RGB Percent	47%, 36%, 36%
CMY	0.5294, 0.6392, 0.6392
CMYK	0.00, 0.23, 0.23, 0.53
HSL	0°, 13%, 42%
HSV	0°, 23%, 47%
XYZ	13.5046, 12.4201, 11.8108
YIQ	100.3720, 16.6880, 5.9360

Conversions

Conversions Part 2

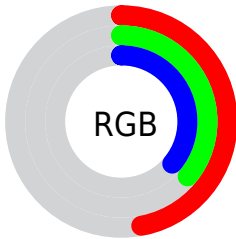
Format	Color
R _Y B	120, 92, 92
Decimal	7887964
CIE Lab	41.88, 11.44, 4.40
CIE LCh	42, 12.258, 21.054
Yxy	12.4201, 0.3579, 0.3291
Android (android.graphics.Color)	4286078044 (0xFF785C5C)
YUV	100.3720, -4.1274, 17.2138
Hunter-Lab	35.2422, 6.7264, 4.7995

Details

The XYZ color **13.5046, 12.4201, 11.8108** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.5200, 17.0636, 20.2975**, and the grayscale version is **12.2157, 12.8519, 13.9957**.

A 20% lighter version of the original color is **31.7891, 30.1832, 29.7417**, and **4.0687, 3.4908, 3.0441** is the 20% darker color. If you saturate the color by 10%, you get **12.0627, 10.3103, 8.9439**, and if you desaturate by 10%, it is **15.1950, 14.8936, 15.1708**.

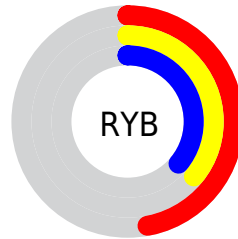
Distribution



Red (47%)

Green (36%)

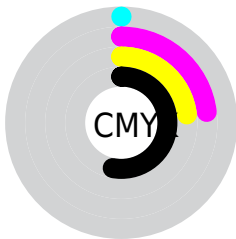
Blue (36%)



Red (47%)

Yellow (36%)

Blue (36%)

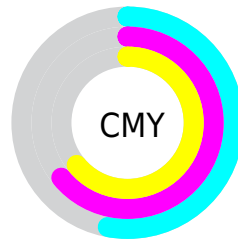


Cyan (0%)

Magenta (23%)

Yellow (23%)

Black (53%)



Cyan (53%)

Magenta (64%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5046, 12.4201, 11.8108 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 13.5046, 12.4201, 11.8108 by changing the saturation by 10% instead.

■ 13.5046, 12.4201,
11.8108

■ 13.5046, 12.4201,
11.8108

207.6996,
207.1670, 214.0820

■ 7.8563, 7.0305,
6.4940

■ 31.8011, 30.2580,
29.8093

■ 4.0542, 3.4812,
3.0741

■ 45.1799, 43.4750,
43.3280

■ 1.7328, 1.3878,
1.1326

■ 61.8664, 60.0699,
60.4179

■ 0.4767, 0.2077,
0.0000

■ 82.2257, 80.4271,
81.4973

■ 0.0000, 0.0000,
0.0000

■ 106.6234,
104.9310, 106.9849

135.4247,

133.9661, 137.2992

168.9950,
167.9166, 172.8587

■ 13.5046, 12.4201,
11.8108

■ 13.5046, 12.4201,
11.8108

■ 12.0627, 10.3103,
8.9439

■ 15.1950, 14.8936,
15.1708

■ 10.8566, 8.5454,
6.5462

■ 17.1436, 17.7451,
19.0448

■ 9.8740, 7.1076,
4.5930

■ 19.3612, 20.9899,
23.4534

■ 9.1013, 5.9769,
3.0569

■ 21.8573, 24.6423,
28.4157

■ 8.5232, 5.1309,
1.9077

■ 24.6411, 28.7158,
33.9500

■ 8.1223, 4.5442,
1.1109

■ 27.7214, 33.2231,
40.0739

■ 7.8765, 4.1845,
0.6223

■ 31.1066, 38.1765,
46.8039

■ 7.7458, 3.9933,
0.3625

■ 34.8048, 43.5879,
54.1562

■ 38.8237, 49.4685,
62.1461

Harmonies

Analogous

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



13.6088, 12.4201, 14.3133



13.5046, 12.4201, 11.8108



12.9330, 12.4201, 10.0058

Triad

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



13.5046, 12.4201, 11.8108



10.5026, 12.4201, 10.6263



11.5364, 12.4201, 19.0682

Complementary

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



13.5046, 12.4201, 11.8108



14.5200, 17.0636, 20.2975

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.



10.7445, 12.4201, 17.7816



13.5046, 12.4201, 11.8108



10.1680, 12.4201, 12.7631

Square

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



13.5046, 12.4201, 11.8108



11.1907, 12.4201, 9.3851



10.2542, 12.4201, 15.3940



12.4412, 12.4201, 18.7282

Rectangle

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



13.5046, 12.4201, 11.8108



12.3790, 12.4201, 9.3360



10.2542, 12.4201, 15.3940



11.2489, 12.4201, 18.8062

Sweetspot

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



13.5049, 12.4207, 11.8111



28.7820, 29.2048, 30.7715



14.9630, 13.0035, 19.4905



6.7868, 6.8711, 7.2244



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.



13.5049, 12.4207, 11.8111



22.3420, 19.7812, 17.9687



14.8315, 15.0739, 12.2533



3.9983, 4.0151, 4.1887



8.4503, 4.3565, 0.3955



40.3083, 20.7801, 1.8865

Inverse Universe

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



14.5200, 17.0636, 20.2975



24.4567, 29.4544, 35.6493



12.9579, 13.9395, 19.7768



4.1070, 4.5124, 5.0977



11.0243, 16.1310, 21.9178



52.5865, 76.9456, 104.5502

Previews

White Background



This preview shows how the XYZ color 13.5046, 12.4201, 11.8108 looks on a white background.

Color Contrast Check

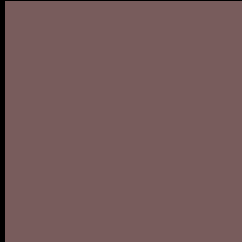
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5046, 12.4201, 11.8108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

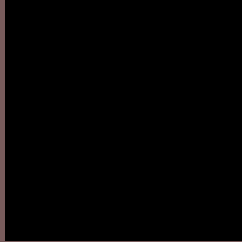
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5046, 12.4201, 11.8108

Background



This preview shows how black text looks on a background with the XYZ color 13.5046, 12.4201, 11.8108.



This preview shows how white text looks on a background with the XYZ color 13.5046, 12.4201,

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

13.5046, 12.4201, 11.8108

Protanopia

12.0527, 12.5930, 12.8618

Deuteranopia

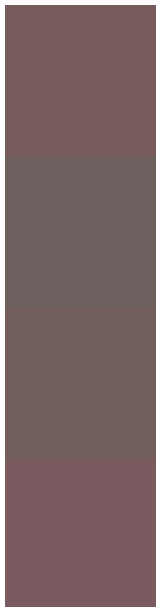
12.6267, 12.5006, 11.6449



Tritanopia

13.8308, 12.4290, 13.2253

Trichromacy



Original Color

13.5046, 12.4201, 11.8108

Protanomaly

12.5551, 12.4432, 12.5665

Deuteranomaly

12.9200, 12.5172, 11.6326

Tritanomaly

13.7376, 12.3916, 12.7341

Monochromacy



Original Color

13.5046, 12.4201, 11.8108

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.4958, 12.5383, 13.0708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5046, 12.4201, 11.8108 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(120, 92, 92)` looks like.

```
.text, #text, p{  
    color:rgb(120, 92, 92)  
}
```

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(120, 92, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 92, 92) }
```

Border

The CSS property to change the border of an element to XYZ 13.5046, 12.4201, 11.8108 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(120, 92, 92) }
```


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

```
.border{ border-color:rgb(120, 92, 92) }
```

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

Here you see how a box with a 4 pixel rgb(120, 92, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 92, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 92, 92);  
box-shadow:4px 4px 4px 4px rgb(120, 92,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5046, 12.4201, 11.8108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 92, 92) }
```

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

```
.background{ background-color: rgb(120, 92,  
92) }
```

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