

Converting Colors

XYZ(12.4437, 11.5540, 11.1075)

Have a look what the booklet for
XYZ(12.4437, 11.5540, 11.1075)
contains.

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Color

**XYZ(12.4458, 11.5109,
11.0170)**

Conversions

Conversions Part 1

Format	Color
Hex	735959
RGB	115, 89, 89
RGB Percent	45%, 35%, 35%
CMY	0.5490, 0.6510, 0.6510
CMYK	0.00, 0.23, 0.23, 0.55
HSL	0°, 13%, 40%
HSV	0°, 23%, 45%
XYZ	12.4458, 11.5109, 11.0170
YIQ	96.7740, 15.4960, 5.5120

Conversions

Conversions Part 2

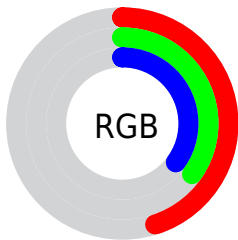
Format	Color
R _Y B	115, 89, 89
Decimal	7559513
CIE Lab	40.43, 10.68, 4.09
CIE LCh	40, 11.435, 20.976
Yxy	11.5109, 0.3559, 0.3291
Android (android.graphics.Color)	4285749593 (0xFF735959)
YUV	96.7740, -3.8326, 15.9842
Hunter-Lab	33.9277, 6.1062, 4.4968

Details

The XYZ color **12.4458, 11.5109, 11.0170** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3449, 15.6226, 18.5319**, and the grayscale version is **11.3136, 11.9028, 12.9621**.

A 20% lighter version of the original color is **29.8292, 28.5448, 28.3636**, and **3.5653, 3.0679, 2.7871** is the 20% darker color. If you saturate the color by 10%, you get **11.1169, 9.5664, 8.3747**, and if you desaturate by 10%, it is **14.0003, 13.7856, 14.1070**.

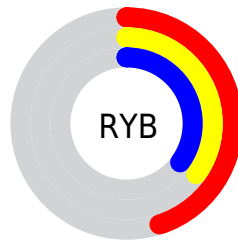
Distribution



Red (45%)

Green (35%)

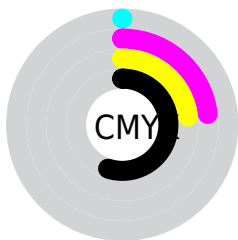
Blue (35%)



Red (45%)

Yellow (35%)

Blue (35%)

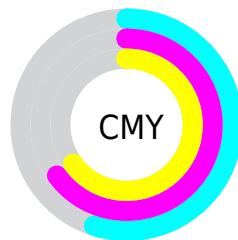


Cyan (0%)

Magenta (23%)

Yellow (23%)

Black (55%)



Cyan (55%)

Magenta (65%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4458, 11.5109, 11.0170 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 12.4458, 11.5109, 11.0170 by changing the saturation by 10% instead.

■ 12.4458, 11.5109,
11.0170

■ 12.4458, 11.5109,
11.0170

201.0449,
201.1399, 208.5258

■ 7.1224, 6.4116,
5.9640

■ 29.9143, 28.6011,
28.3287

■ 3.5858, 3.0969,
2.7547

■ 42.7902, 41.3608,
41.4245

■ 1.4706, 1.1825,
0.9708

■ 58.9142, 57.4427,
58.0383

■ 0.3057, 0.0474,
0.0000

■ 78.6518, 77.2313,
78.5885

■ 0.0000, 0.0000,
0.0000

■ 102.3684,
101.1109, 103.4939

130.4291,

129.4659, 133.1728

163.1995,
162.6808, 168.0440

■ 12.4458, 11.5109,
11.0170

■ 12.4458, 11.5109,
11.0170

■ 11.1169, 9.5664,
8.3747

■ 14.0003, 13.7856,
14.1070

■ 10.0022, 7.9353,
6.1588

■ 15.7892, 16.4033,
17.6633

■ 9.0908, 6.6017,
4.3471

■ 17.8220, 19.3777,
21.7046

■ 8.3705, 5.5476,
2.9152

■ 20.1073, 22.7217,
26.2478

■ 7.8276, 4.7532,
1.8361

■ 22.6533, 26.4472,
31.3096

■ 7.4469, 4.1960,
1.0793

■ 25.4681, 30.5659,
36.9056

■ 7.2092, 3.8483,
0.6069

■ 28.5590, 35.0887,
43.0506

■ 7.0704, 3.6451,
0.3309

■ 31.9335, 40.0263,
49.7592

■ 35.5983, 45.3888,
57.0453

Harmonies

Analogous

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



12.5366, 11.5109, 13.2394



12.4458, 11.5109, 11.0170



11.9414, 11.5109, 9.4040

Triad

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



12.4458, 11.5109, 11.0170



9.7852, 11.5109, 9.9516



10.7005, 11.5109, 17.4244

Complementary

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



12.4458, 11.5109, 11.0170



13.3449, 15.6226, 18.5319

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.



9.9976, 11.5109, 16.2898



12.4458, 11.5109, 11.0170



9.4864, 11.5109, 11.8530

Square

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



12.4458, 11.5109, 11.0170



10.3976, 11.5109, 8.8432



9.5622, 11.5109, 14.1830



11.5025, 11.5109, 17.1294

Rectangle

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



12.4458, 11.5109, 11.0170



11.4515, 11.5109, 8.8025



9.5622, 11.5109, 14.1830



10.4454, 11.5109, 17.1929

Sweetspot

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



12.4461, 11.5114, 11.0172



26.7546, 27.1505, 28.6099



13.7372, 12.0275, 17.8173



6.3519, 6.4322, 6.7642



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.



12.4461, 11.5114, 11.0172



21.0237, 18.7647, 17.2168



13.6249, 13.8690, 11.4102



3.6840, 3.7009, 3.8625



8.0829, 4.1671, 0.3783



39.3888, 20.3061, 1.8434

Inverse Universe

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



13.3449, 15.6226, 18.5319



22.9280, 27.4758, 33.1394



11.9658, 12.8645, 18.0722



3.7833, 4.1552, 4.6929



10.5449, 15.4294, 20.9650



51.3860, 75.1885, 102.1648

Previews

White Background



This preview shows how the XYZ color 12.4458, 11.5109, 11.0170 looks on a white background.

Color Contrast Check

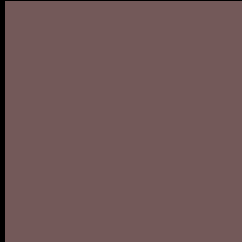
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4458, 11.5109, 11.0170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

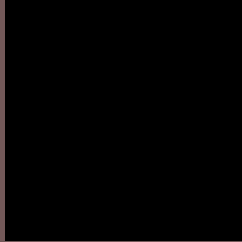
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4458, 11.5109, 11.0170

Background



This preview shows how black text looks on a background with the XYZ color 12.4458, 11.5109, 11.0170.



This preview shows how white text looks on a background with the XYZ color 12.4458, 11.5109,

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

12.4458, 11.5109, 11.0170

Protanopia

11.0610, 11.5538, 11.7723

Deuteranopia

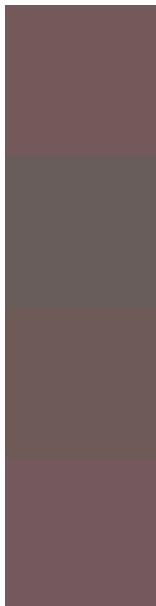
11.6520, 11.4847, 10.8352



Tritanopia

12.7577, 11.5187, 12.3774

Trichromacy



Original Color

12.4458, 11.5109, 11.0170

Protanomaly

11.5116, 11.5271, 11.5158

Deuteranomaly

11.9329, 11.5017, 10.8236

Tritanomaly

12.6680, 11.4828, 11.9046

Monochromacy



Original Color

12.4458, 11.5109, 11.0170

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.7320, 11.7566, 12.2406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4458, 11.5109, 11.0170 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(115, 89, 89)` looks like.

```
.text, #text, p{  
    color:rgb(115, 89, 89)  
}
```

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(115, 89, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 89, 89) }
```

Border

The CSS property to change the border of an element to XYZ 12.4458, 11.5109, 11.0170 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(115, 89, 89) }
```


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

```
.border{ border-color:rgb(115, 89, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 89, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 89, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 89, 89);  
box-shadow:4px 4px 4px 4px rgb(115, 89,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4458, 11.5109, 11.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 89, 89) }
```

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

```
.background{ background-color: rgb(115, 89,  
89) }
```

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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