

Converting Colors

XYZ(12.4670, 11.8856, 11.7632)

Have a look what the booklet for
XYZ(12.4670, 11.8856, 11.7632)
contains.

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Color

**XYZ(12.4410, 11.8717,
11.7610)**

Conversions

Conversions Part 1	
Format	Color
Hex	705C5C
RGB	112, 92, 92
RGB Percent	44%, 36%, 36%
CMY	0.5608, 0.6392, 0.6392
CMYK	0.00, 0.18, 0.18, 0.56
HSL	0°, 10%, 40%
HSV	0°, 18%, 44%
XYZ	12.4410, 11.8717, 11.7610
YIQ	97.9800, 11.9200, 4.2400

Conversions

Conversions Part 2

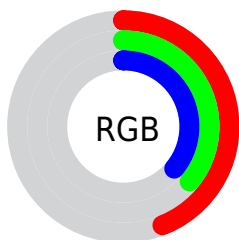
Format	Color
RYB	112, 92, 92
Decimal	7363676
CIELab	41.01, 8.13, 3.05
CIELCh	41, 8.682, 20.548
Yxy	11.8717, 0.3449, 0.3291
Android (android.graphics.Color)	4285553756 (0xFF705C5C)
YUV	97.9800, -2.9481, 12.2955
Hunter-Lab	34.4553, 4.1553, 3.8807

Details

The XYZ color **12.4410, 11.8717, 11.7610** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1324, 15.0333, 17.5389**, and the grayscale version is **11.6097, 12.2143, 13.3014**.

A 20% lighter version of the original color is **29.8653, 29.1915, 29.6516**, and **3.5845, 3.2412, 3.0215** is the 20% darker color. If you saturate the color by 10%, you get **11.0877, 9.8916, 9.0703**, and if you desaturate by 10%, it is **14.0108, 14.1688, 14.8813**.

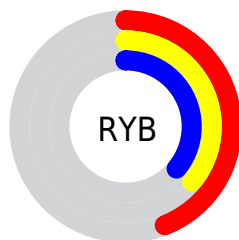
Distribution



Red (44%)

Green (36%)

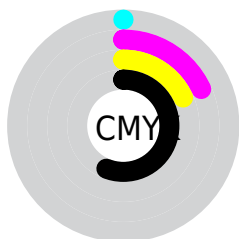
Blue (36%)



Red (44%)

Yellow (36%)

Blue (36%)

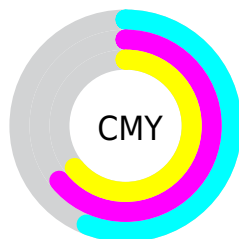


Cyan (0%)

Magenta (18%)

Yellow (18%)

Black (56%)



Cyan (56%)


Magenta (64%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4410, 11.8717, 11.7610 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 12.4410, 11.8717, 11.7610 by changing the saturation by 10% instead.

 12.4410, 11.8717,
11.7610


 12.4410, 11.8717,
11.7610


201.0142,
203.5541, 213.7380

 7.1191, 6.6564,
6.4606


 29.9057, 29.2612,
29.7169


 3.5837, 3.2481,
3.0538


 42.7793, 42.2042,
43.2095


 1.4694, 1.2626,
1.1222

 58.9007, 58.4919,
60.2699

 0.3049, 0.1120,
0.0000

 78.6354, 78.5086,
81.3167


 0.0000, 0.0000,
0.0000


 102.3488,
102.6388, 106.7683

130.4061,


131.2668, 137.0434


163.1728,
164.7771, 172.5605


 12.4410, 11.8717,
11.7610


 12.4410, 11.8717,
11.7610


 11.0877, 9.8916,
9.0703

 14.0108, 14.1688,
14.8813


 9.9406, 8.2129,
6.7898


 15.8049, 16.7941,
18.4481


 8.9897, 6.8215,
4.8995


 17.8321, 19.7604,
22.4782


 8.2241, 5.7012,
3.3776


 20.1003, 23.0794,
26.9875


 7.6317, 4.8343,
2.2000


 22.6171, 26.7621,
31.9910


 7.1990, 4.2012,
1.3399


 25.3897, 30.8191,
37.5030


 6.9106, 3.7791,
0.7666

 28.4250, 35.2605,
43.5373

 6.7215, 3.5024,
0.3907

 31.7297, 40.0961,
50.1072

 6.6823, 3.4450,
0.3128

 35.3102, 45.3352,
57.2255

Harmonies

Analogous

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



12.5050, 11.8717, 13.4970



12.4410, 11.8717, 11.7610



12.0608, 11.8717, 10.4579

Triad

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



12.4410, 11.8717, 11.7610



10.3852, 11.8717, 10.8697



11.0884, 11.8717, 16.6077

Complementary

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



12.4410, 11.8717, 11.7610



13.1324, 15.0333, 17.5389

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.



10.5407, 11.8717, 15.7554



12.4410, 11.8717, 11.7610



10.1446, 11.8717, 12.3719

Square

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



12.4410, 11.8717, 11.7610



10.8691, 11.8717, 9.9770



10.2005, 11.8717, 14.1661



11.7087, 11.8717, 16.4060

Rectangle

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



12.4410, 11.8717, 11.7610



11.6867, 11.8717, 9.9582



10.2005, 11.8717, 14.1661



10.8901, 11.8717, 16.4322

Sweetspot

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



12.4413, 11.8722, 11.7612



25.4327, 26.0898, 27.7715



13.4340, 12.2691, 16.9895



6.0702, 6.2096, 6.5927



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.



12.4413, 11.8722, 11.7612



20.9346, 19.5079, 18.8294



13.3654, 13.7204, 12.0693



3.3845, 3.4016, 3.5515



7.7251, 3.9826, 0.3616



38.4816, 19.8383, 1.8010

Inverse Universe

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



13.1324, 15.0333, 17.5389



22.3639, 26.0454, 30.7783



12.0898, 12.9481, 17.1914



3.4749, 3.8151, 4.3075



10.0783, 14.7468, 20.0369



50.2039, 73.4598, 99.8123

Previews

White Background



This preview shows how the XYZ color 12.4410, 11.8717, 11.7610 looks on a white background.

Color Contrast Check

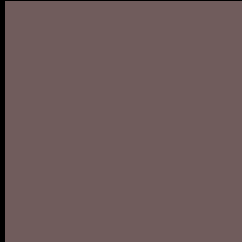
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4410, 11.8717, 11.7610 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 12.4410, 11.8717, 11.7610

Background



This preview shows how black text looks on a background with the XYZ color 12.4410, 11.8717, 11.7610.



This preview shows how white text looks on a background with the XYZ color 12.4410, 11.8717,

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

12.4410, 11.8717, 11.7610

Protanopia

11.3488, 11.8265, 12.2743

Deuteranopia

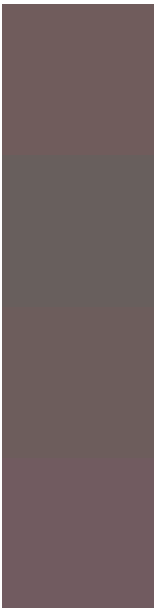
12.1188, 11.9663, 11.7962



Tritanopia

12.7557, 11.8747, 13.1750

Trichromacy



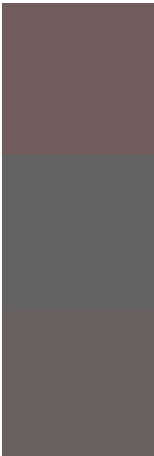
Original Color
12.4410, 11.8717, 11.7610

Protanomaly
11.7769, 11.9178, 12.0356

Deuteranomaly
12.1528, 11.8526, 11.7725

Tritanomaly
12.6625, 11.8374, 12.6838

Monochromacy



Original Color
12.4410, 11.8717, 11.7610

Achromatopsia
11.6093, 12.2139, 13.3009

Achromatomaly
11.8877, 12.0938, 12.7741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4410, 11.8717, 11.7610 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(112, 92, 92) looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 92, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 92, 92) }
```

Border

The CSS property to change the border of an element to XYZ 12.4410, 11.8717, 11.7610 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(112, 92, 92) }
```


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

```
.border{ border-color:rgb(112, 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(112, 92, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 92, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 92, 92);  
box-shadow:4px 4px 4px 4px rgb(112, 92,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4410, 11.8717, 11.7610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 92, 92) }
```

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

```
.background{ background-color: rgb(112, 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](#).

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