

Converting Colors

XYZ(12.2160, 10.6589, 11.5252)

Have a look what the booklet for
XYZ(12.2160, 10.6589, 11.5252)
contains.

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Color

**XYZ(12.2275, 10.6722,
11.5407)**

Conversions

Conversions Part 1

Format	Color
Hex	74535C
RGB	116, 83, 92
RGB Percent	45%, 33%, 36%
CMY	0.5451, 0.6745, 0.6392
CMYK	0.00, 0.28, 0.21, 0.55
HSL	344°, 17%, 39%
HSV	344°, 28%, 45%
XYZ	12.2275, 10.6722, 11.5407
YIQ	93.8930, 16.7790, 9.7950

Conversions

Conversions Part 2

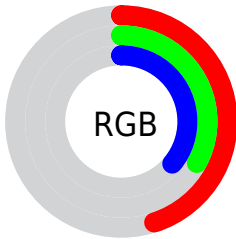
Format	Color
R_{YB}	116, 83, 92
Decimal	7623516
CIE Lab	39.02, 15.24, 0.22
CIE LCh	39, 15.242, 0.815
Yxy	10.6722, 0.3550, 0.3099
Android (android.graphics.Color)	4285813596 (0xFF74535C)
YUV	93.8930, -0.9332, 19.3878
Hunter-Lab	32.6683, 9.6416, 1.9225

Details

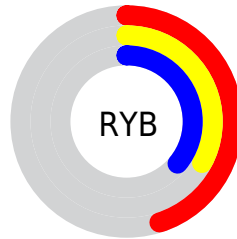
The XYZ color **12.2275, 10.6722, 11.5407** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.4670, 15.3916, 16.2245**, and the grayscale version is **10.6136, 11.1664, 12.1602**.

A 20% lighter version of the original color is **29.6322, 27.1631, 29.2724**, and **3.5010, 2.7768, 2.9362** is the 20% darker color. If you saturate the color by 10%, you get **11.0647, 8.9042, 9.4337**, and if you desaturate by 10%, it is **13.5805, 12.7547, 13.9141**.

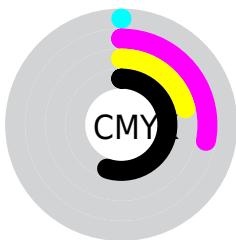
Distribution



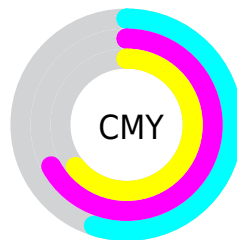
- Red (45%)
- Green (33%)
- Blue (36%)



- Red (45%)
- Yellow (33%)
- Blue (36%)



- Cyan (0%)
- Magenta (28%)
- Yellow (21%)
- Black (55%)



- Cyan (55%)
- Magenta (67%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2275, 10.6722, 11.5407 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 12.2275, 10.6722, 11.5407 by changing the saturation by 10% instead.

■ 12.2275, 10.6722,
11.5407

■ 12.2275, 10.6722,
11.5407

199.6449,
195.4046, 212.2093

■ 6.9721, 5.8469,
6.3130

■ 29.5221, 27.0524,
29.3076

■ 3.4908, 2.7522,
2.9645

■ 42.2919, 39.3761,
42.6838

■ 1.4183, 1.0038,
1.0765

■ 58.2973, 54.9679,
59.6134

■ 0.2692, 0.0000,
0.0000

■ 77.9036, 74.2124,
80.5147

■ 0.0000, 0.0000,
0.0000

■ 101.4762, 97.4940,
105.8065

129.3804,

125.1969, 135.9071

161.9815,
157.7057, 171.2352

■ 12.2275, 10.6722,
11.5407

■ 12.2275, 10.6722,
11.5407

■ 11.0647, 8.9042,
9.4337

■ 13.5805, 12.7547,
13.9141

■ 10.0824, 7.4339,
7.5829

■ 15.1311, 15.1644,
16.5621

■ 9.2716, 6.2451,
5.9783

■ 16.8870, 17.9152,
19.4937

■ 8.6220, 5.3196,
4.6092

■ 18.8557, 21.0198,
22.7171

■ 8.1220, 4.6371,
3.4638

■ 21.0439, 24.4901,
26.2400

■ 7.7585, 4.1740,
2.5294

■ 23.4583, 28.3375,
30.0701

■ 7.4958, 3.8617,
1.7849

■ 26.1051, 32.5730,
34.2147

■ 7.4583, 3.8153,
1.6837

■ 28.9905, 37.2071,
38.6808

■ 32.1202, 42.2497,
43.4752

Harmonies

Analogous

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



11.9487, 10.6722, 14.5710



12.2275, 10.6722, 11.5407



11.9176, 10.6722, 8.9806

Triad

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



12.2275, 10.6722, 11.5407



9.1744, 10.6722, 7.4431



9.2195, 10.6722, 17.2283

Complementary

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



12.2275, 10.6722, 11.5407



12.4670, 15.3916, 16.2245

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.



8.5550, 10.6722, 14.7321



12.2275, 10.6722, 11.5407



8.5302, 10.6722, 9.0974

Square

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



12.2275, 10.6722, 11.5407



10.1158, 10.6722, 6.8713



8.3110, 10.6722, 11.7001



10.1715, 10.6722, 18.1686

Rectangle

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



12.2275, 10.6722, 11.5407



11.4301, 10.6722, 7.7970



8.3110, 10.6722, 11.7001



8.9574, 10.6722, 16.5248

Sweetspot

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



12.2278, 10.6727, 11.5409



26.3716, 26.3037, 28.7314



12.2674, 10.5521, 17.9134



6.2102, 6.1486, 6.7169



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.



12.2278, 10.6727, 11.5409



20.1452, 16.7047, 17.8579



12.4330, 11.6757, 9.7825



3.7212, 3.7158, 4.0586



8.3626, 4.2788, 1.8517



40.4363, 20.7246, 7.3608

Inverse Universe

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



12.2278, 10.6727, 11.5409



20.1452, 16.7047, 17.8579



12.1727, 14.0056, 18.5850



3.7212, 3.7158, 4.0586



8.3626, 4.2788, 1.8517



40.4363, 20.7246, 7.3608

Previews

White Background



This preview shows how the XYZ color 12.2275, 10.6722, 11.5407 looks on a white background.

Color Contrast Check

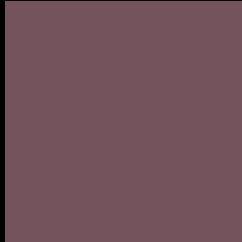
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2275, 10.6722, 11.5407 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 12.2275, 10.6722, 11.5407

Background



This preview shows how black text looks on a background with the XYZ color 12.2275, 10.6722, 11.5407.



This preview shows how white text looks on a background with the XYZ color 12.2275, 10.6722,

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

12.2275, 10.6722, 11.5407

Protanopia

10.3984, 10.7927, 12.8444

Deuteranopia

10.8275, 10.6668, 11.3858



Tritanopia

12.1412, 10.6377, 11.0862

Trichromacy



Original Color

12.2275, 10.6722, 11.5407

Protanomaly

11.0048, 10.7377, 12.3190

Deuteranomaly

11.2404, 10.6359, 11.3580

Tritanomaly

12.1840, 10.6548, 11.3120

Monochromacy



Original Color

12.2275, 10.6722, 11.5407

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.1114, 10.9274, 11.8795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2275, 10.6722, 11.5407 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(116, 83, 92)` looks like.

```
.text, #text, p{  
    color:rgb(116, 83, 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(116, 83, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 83, 92) }
```

Border

The CSS property to change the border of an element to XYZ 12.2275, 10.6722, 11.5407 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(116, 83, 92) }
```


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

```
.border{ border-color:rgb(116, 83, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 83, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 83, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 83, 92);  
box-shadow:4px 4px 4px 4px rgb(116, 83,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2275, 10.6722, 11.5407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 83, 92) }
```

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

```
.background{ background-color: rgb(116, 83,  
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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