

Converting Colors

XYZ(10.9123, 8.7900, 6.0578)

Have a look what the booklet for
XYZ(10.9123, 8.7900, 6.0578)
contains.

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Color

**XYZ(10.8900, 8.7550,
6.1170)**

Conversions

Conversions Part 1

Format	Color
Hex	784641
RGB	120, 70, 65
RGB Percent	47%, 27%, 25%
CMY	0.5294, 0.7255, 0.7451
CMYK	0.00, 0.42, 0.46, 0.53
HSL	5°, 30%, 36%
HSV	5°, 46%, 47%
XYZ	10.8900, 8.7550, 6.1170
YIQ	84.3800, 31.4050, 9.0450

Conversions

Conversions Part 2

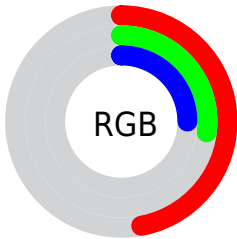
Format	Color
R_{YB}	120, 71, 65
Decimal	7882305
CIE Lab	35.51, 20.83, 12.21
CIE LCh	36, 24.143, 30.376
Yxy	8.7550, 0.4227, 0.3398
Android (android.graphics.Color)	4286072385 (0xFF784641)
YUV	84.3800, -9.5543, 31.2387
Hunter-Lab	29.5888, 13.9154, 8.4550

Details

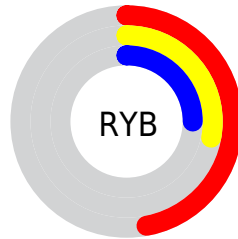
The XYZ color **10.8900, 8.7550, 6.1170** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **11.7007, 14.7408, 19.9978**, and the grayscale version is **8.5203, 8.9640, 9.7618**.

A 20% lighter version of the original color is **27.0330, 23.3846, 18.7117**, and **2.9467, 2.0184, 0.9933** is the 20% darker color. If you saturate the color by 10%, you get **9.9572, 7.3878, 4.2695**, and if you desaturate by 10%, it is **12.0212, 10.4006, 8.3953**.

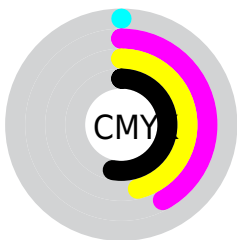
Distribution



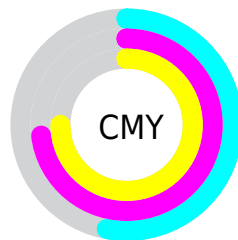
- Red (47%)
- Green (27%)
- Blue (25%)



- Red (47%)
- Yellow (28%)
- Blue (25%)



- Cyan (0%)
- Magenta (42%)
- Yellow (46%)
- Black (53%)



- Cyan (53%)
- Magenta (73%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8900, 8.7550, 6.1170 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 10.8900, 8.7550, 6.1170 by changing the saturation by 10% instead.

10.8900, 8.7550,
6.1170

10.8900, 8.7550,
6.1170

190.8352,
181.5395, 169.4531

6.0597, 4.5817,
2.8464

27.0913, 23.4258,
18.6551

2.9224, 2.0040,
1.0168

39.1930, 34.6921,
28.7597

1.1129, 0.6098,
0.0000

54.4493, 49.0915,
41.9794

0.0358, 0.0000,
0.0000

73.2253, 67.0085,
58.7327

0.0000, 0.0000,
0.0000

95.8866, 88.8274,
79.4382

122.7984,

114.9326, 104.5144

154.3262,
145.7085, 134.3798

■ 10.8900, 8.7550,
6.1170

■ 10.8900, 8.7550,
6.1170

■ 9.9572, 7.3878,
4.2695

■ 12.0212, 10.4006,
8.3953

■ 9.2105, 6.2823,
2.8251

■ 13.3605, 12.3375,
11.1286

■ 8.6377, 5.4222,
1.7538


■ 14.9180, 14.5793,
14.3400


■ 8.2245, 4.7888,
1.0212


■ 16.7029, 17.1383,
18.0507

■ 7.9505, 4.3588,
0.5659


■ 18.7237, 20.0263,
22.2809

 7.8644, 4.2304,
0.4021

 20.9887, 23.2543,
27.0495

 23.5055, 26.8329,
32.3745

 26.2818, 30.7723,
38.2730

 29.3245, 35.0821,
44.7615

Harmonies

Analogous

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



11.3419, 8.7550, 9.4818



10.8900, 8.7550, 6.1170



9.7367, 8.7550, 4.2457

Triad

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



10.8900, 8.7550, 6.1170



6.1776, 8.7550, 6.1829



8.3392, 8.7550, 19.6123

Complementary

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



10.8900, 8.7550, 6.1170



11.7007, 14.7408, 19.9978

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.



7.0503, 8.7550, 18.0141



10.8900, 8.7550, 6.1170



5.8912, 8.7550, 9.5838

Square

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



10.8900, 8.7550, 6.1170



7.0227, 8.7550, 4.2755



6.1922, 8.7550, 14.0293



9.7710, 8.7550, 17.9363

Rectangle

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



10.8900, 8.7550, 6.1170



8.7835, 8.7550, 3.7384



6.1922, 8.7550, 14.0293



7.8757, 8.7550, 19.4360

Sweetspot

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



10.8902, 8.7554, 6.1172



26.6801, 26.2770, 26.1371



12.7546, 9.0212, 17.4146



6.1978, 6.0478, 5.9351



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.



10.8902, 8.7554, 6.1172



17.4375, 12.8826, 7.3615



12.9823, 12.9396, 6.8145



4.0249, 4.0683, 4.1976



8.5740, 4.6040, 0.4368



40.6137, 21.3908, 1.9883

Inverse Universe

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



11.7007, 14.7408, 19.9978



19.0420, 24.7945, 35.0353



9.0531, 9.4458, 19.1153



4.0774, 4.4531, 5.0878



9.6692, 13.4207, 21.4661



45.7970, 63.3667, 102.2870

Previews

White Background



This preview shows how the XYZ color 10.8900, 8.7550, 6.1170 looks on a white background.

Color Contrast Check

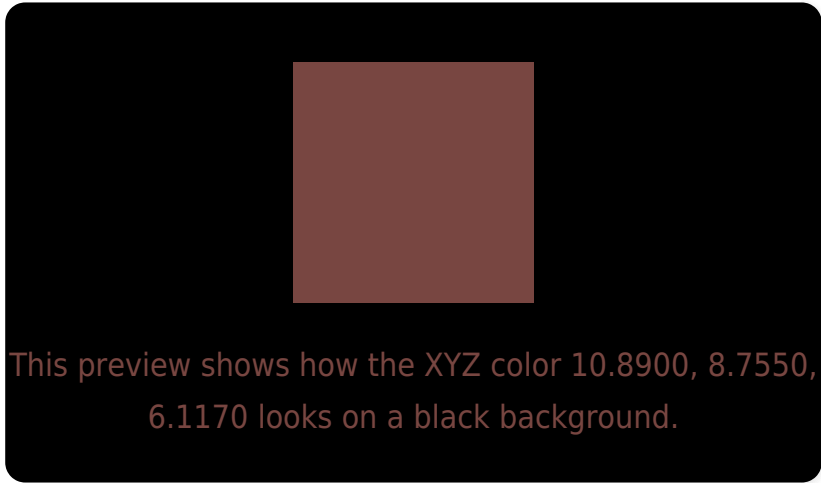
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 10.8900, 8.7550, 6.1170

Background



This preview shows how black text looks on a background with the XYZ color 10.8900, 8.7550, 6.1170.

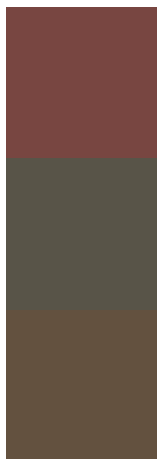


This preview shows how white text looks on a background with the XYZ color 10.8900, 8.7550,

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

10.8900, 8.7550, 6.1170

Protanopia

8.3645, 8.8832, 7.4047

Deuteranopia

8.9852, 8.8964, 5.9462



Tritanopia

11.2493, 8.8156, 7.5872

Trichromacy



Original Color

10.8900, 8.7550, 6.1170

Protanomaly

9.1257, 8.7310, 6.8345

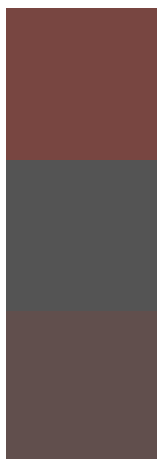
Deuteranomaly

9.6427, 8.8037, 6.0416

Tritanomaly

11.1506, 8.7761, 7.0675

Monochromacy



Original Color

10.8900, 8.7550, 6.1170

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.0653, 8.6692, 8.2167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8900, 8.7550, 6.1170 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, 70, 65)` looks like.

```
.text, #text, p{  
    color:rgb(120, 70, 65)  
}
```

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, 70, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 70, 65) }
```

Border

The CSS property to change the border of an element to XYZ 10.8900, 8.7550, 6.1170 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, 70, 65) }
```


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

```
.border{ border-color:rgb(120, 70, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 70, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 70, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 70, 65);  
box-shadow:4px 4px 4px 4px rgb(120, 70,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8900, 8.7550, 6.1170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 70, 65) }
```

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

```
.background{ background-color: rgb(120, 70,  
65) }
```

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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