

Converting Colors

XYZ(15.6224, 16.8453, 11.2535)

Have a look what the booklet for
XYZ(15.6224, 16.8453, 11.2535)
contains.

XYZ(15.5822, 16.7715, 11.2200)	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(15.5822, 16.7715,
11.2200)**

Conversions

Conversions Part 1

Format	Color
Hex	797256
RGB	121, 114, 86
RGB Percent	47%, 45%, 34%
CMY	0.5255, 0.5529, 0.6627
CMYK	0.00, 0.06, 0.29, 0.53
HSL	48°, 17%, 41%
HSV	48°, 29%, 47%
XYZ	15.5822, 16.7715, 11.2200
YIQ	112.9010, 13.1600, -7.2240

Conversions

Conversions Part 2

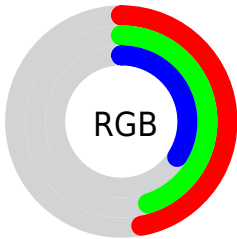
Format	Color
R_{YB}	95, 121, 86
Decimal	7959126
CIE Lab	47.97, -2.08, 16.53
CIE LCh	48, 16.660, 97.184
Yxy	16.7715, 0.3576, 0.3849
Android (android.graphics.Color)	4286149206 (0xFF797256)
YUV	112.9010, -13.2622, 7.1028
Hunter-Lab	40.9530, -3.7504, 12.4233

Details

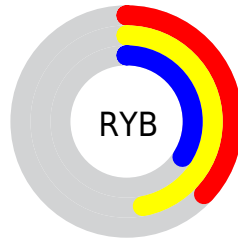
The XYZ color **15.5822, 16.7715, 11.2200** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.2032, 11.1872, 19.6581**, and the grayscale version is **15.7024, 16.5201, 17.9904**.

A 20% lighter version of the original color is **35.5357, 38.0487, 28.7637**, and **5.0037, 5.4273, 2.7913** is the 20% darker color. If you saturate the color by 10%, you get **14.8663, 16.0549, 8.7764**, and if you desaturate by 10%, it is **16.3887, 17.5371, 14.1015**.

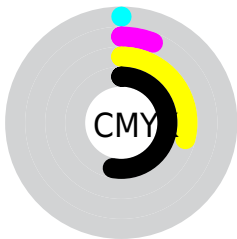
Distribution



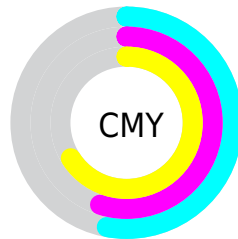
- Red (47%)
- Green (45%)
- Blue (34%)



- Red (37%)
- Yellow (47%)
- Blue (34%)



- Cyan (0%)
- Magenta (6%)
- Yellow (29%)
- Black (53%)



- Cyan (53%)
- Magenta (55%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5822, 16.7715, 11.2200 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 15.5822, 16.7715, 11.2200 by changing the saturation by 10% instead.

■ 15.5822, 16.7715,
11.2200

■ 15.5822, 16.7715,
11.2200

220.1828,
233.8521, 209.9620

■ 9.3180, 10.0717,
6.0990

■ 35.4347, 37.9325,
28.7091

■ 5.0079, 5.4465,
2.8356

■ 49.7536, 53.1625,
41.9143

■ 2.2867, 2.5116,
1.0113

■ 67.4882, 72.0046,
58.6513

■ 0.7879, 0.8824,
0.0000

■ 89.0038, 94.8434,
79.3386

■ 0.0000, 0.0000,
0.0000

■ 114.6656,
122.0631, 104.3948

144.8392,

154.0482, 134.2384

179.8898,
191.1831, 169.2880

■ 15.5822, 16.7715,
11.2200

■ 15.5822, 16.7715,
11.2200

■ 14.8663, 16.0549,
8.7764

■ 16.3887, 17.5371,
14.1015

■ 14.2355, 15.3832,
6.7478

■ 17.2886, 18.3510,
17.4402

■ 13.6858, 14.7553,
5.1106

■ 18.2858, 19.2157,
21.2555

■ 13.2120, 14.1691,
3.8387

■ 19.3838, 20.1324,
25.5655

■ 12.8085, 13.6221,
2.9025

■ 20.5860, 21.1027,
30.3871

■ 12.4688, 13.1118,
2.2681

■ 21.8954, 22.1279,
35.7367

■ 12.1736, 12.6303,
1.8336

■ 23.3151, 23.2092,
41.6298

■ 12.1424, 12.5794,
1.7881

■ 24.8479, 24.3480,
48.0812

■ 26.4967, 25.5453,
55.1053

Harmonies

Analogous

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



17.0877, 16.7715, 11.6463



15.5822, 16.7715, 11.2200



14.2575, 16.7715, 12.4300

Triad

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



15.5822, 16.7715, 11.2200



13.7478, 16.7715, 23.7331



18.7553, 16.7715, 21.6619

Complementary

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



15.5822, 16.7715, 11.2200



11.2032, 11.1872, 19.6581

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.



17.7517, 16.7715, 25.6795



15.5822, 16.7715, 11.2200



14.8464, 16.7715, 27.0004

Square

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



15.5822, 16.7715, 11.2200



13.2424, 16.7715, 19.3158



16.3049, 16.7715, 27.7635



18.9829, 16.7715, 17.2459

Rectangle

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



15.5822, 16.7715, 11.2200



13.6337, 16.7715, 14.1337



16.3049, 16.7715, 27.7635



18.4946, 16.7715, 23.1232

Sweetspot

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



15.5826, 16.7723, 11.2204



30.9083, 32.8167, 31.0391



13.1889, 11.5110, 11.8828



7.0211, 7.4626, 6.9236



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.



15.5826, 16.7723, 11.2204



26.9962, 29.1330, 16.9706



15.0100, 17.6939, 11.4284



4.2429, 4.5043, 4.2703



13.0045, 13.4650, 1.9136



61.4244, 63.0123, 8.9252

Inverse Universe

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



11.2032, 11.1872, 19.6581



17.7446, 17.3374, 34.8041



11.6558, 10.5502, 19.5113



3.8566, 4.0114, 5.0142



4.0457, 2.1738, 19.5916



18.8028, 9.3782, 93.2890

Previews

White Background



This preview shows how the XYZ color 15.5822, 16.7715, 11.2200 looks on a white background.

Color Contrast Check

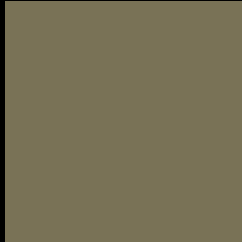
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5822, 16.7715, 11.2200 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

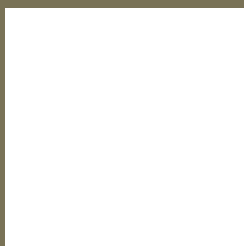
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.5822, 16.7715, 11.2200

Background



This preview shows how black text looks on a background with the XYZ color 15.5822, 16.7715, 11.2200.



This preview shows how white text looks on a background with the XYZ color 15.5822, 16.7715,

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

15.5822, 16.7715, 11.2200

Protanopia

15.7231, 16.8441, 11.2266

Deuteranopia

17.0205, 16.6937, 11.3420



Tritanopia

17.3034, 16.8198, 19.4741

Trichromacy



Original Color

15.5822, 16.7715, 11.2200

Protanomaly

15.7231, 16.8441, 11.2266

Deuteranomaly

16.4580, 16.7241, 11.3775

Tritanomaly

16.5981, 16.6946, 15.9832

Monochromacy



Original Color

15.5822, 16.7715, 11.2200

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.5558, 16.5025, 15.1974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5822, 16.7715, 11.2200 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(121, 114, 86)` looks like.

```
.text, #text, p{  
    color:rgb(121, 114, 86)  
}
```

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(121, 114, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 114, 86) }
```

Border

The CSS property to change the border of an element to XYZ 15.5822, 16.7715, 11.2200 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(121, 114, 86) }
```


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

```
.border{ border-color:rgb(121, 114, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 114, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 114, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 114, 86);  
box-shadow:4px 4px 4px 4px rgb(121, 114,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5822, 16.7715, 11.2200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 114, 86) }
```

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

```
.background{ background-color: rgb(121,  
114, 86) }
```

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