

Converting Colors

XYZ(15.6362, 16.7235, 11.6821)

Have a look what the booklet for
XYZ(15.6362, 16.7235, 11.6821)
contains.

XYZ(15.6639, 16.8042, 11.6505)	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(15.6639, 16.8042,
11.6505)**

Conversions

Conversions Part 1

Format	Color
Hex	797258
RGB	121, 114, 88
RGB Percent	47%, 45%, 35%
CMY	0.5255, 0.5529, 0.6549
CMYK	0.00, 0.06, 0.27, 0.53
HSL	47°, 16%, 41%
HSV	47°, 27%, 47%
XYZ	15.6639, 16.8042, 11.6505
YIQ	113.1290, 12.5180, -6.6020

Conversions

Conversions Part 2

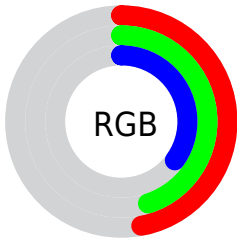
Format	Color
RYB	97, 121, 88
Decimal	7959128
CIELab	48.01, -1.79, 15.42
CIElCh	48, 15.520, 96.605
Yxy	16.8042, 0.3550, 0.3809
Android (android.graphics.Color)	4286149208 (0xFF797258)
YUV	113.1290, -12.3886, 6.9029
Hunter-Lab	40.9929, -3.5306, 11.8444

Details

The XYZ color **15.6639, 16.8042, 11.6505** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.5678, 11.6392, 19.7260**, and the grayscale version is **15.7677, 16.5889, 18.0653**.

A 20% lighter version of the original color is **35.6792, 38.1061, 29.5195**, and **5.0386, 5.4413, 2.9752** is the 20% darker color. If you saturate the color by 10%, you get **14.9186, 16.0501, 9.1312**, and if you desaturate by 10%, it is **16.5014, 17.6093, 14.6115**.

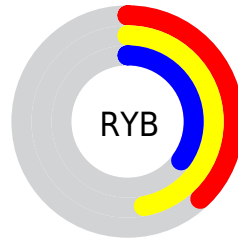
Distribution



Red (47%)

Green (45%)

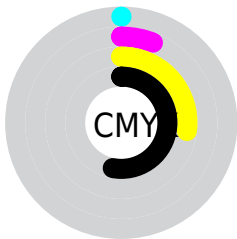
Blue (35%)



Red (38%)

Yellow (47%)

Blue (35%)

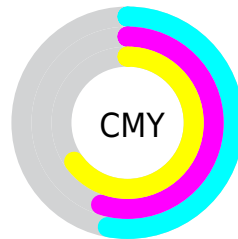


Cyan (0%)

Magenta (6%)

Yellow (27%)

Black (53%)



Cyan (53%)

Magenta (55%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6639, 16.8042, 11.6505 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 15.6639, 16.8042, 11.6505 by changing the saturation by 10% instead.

■ 15.6639, 16.8042,
11.6505

■ 15.6639, 16.8042,
11.6505

220.6598,
234.0415, 212.9727

■ 9.3760, 10.0950,
6.3865

■ 35.5759, 37.9888,
29.5118

■ 5.0463, 5.4620,
3.0089

■ 49.9307, 53.2330,
42.9461

■ 2.3095, 2.5208,
1.0992

■ 67.7051, 72.0910,
59.9410

■ 0.7995, 0.8870,
0.0000

■ 89.2646, 94.9472,
80.9150

■ 0.0000, 0.0000,
0.0000

■ 114.9745,
122.1859, 106.2867

145.2000,

154.1916, 136.4745

180.3067,
191.3487, 171.8970

■ 15.6639, 16.8042,
11.6505

■ 15.6639, 16.8042,
11.6505

■ 14.9186, 16.0501,
9.1312

■ 16.5014, 17.6093,
14.6115

■ 14.2600, 15.3430,
7.0308

■ 17.4338, 18.4649,
18.0332

■ 13.6840, 14.6817,
5.3263

■ 18.4650, 19.3732,
21.9350

■ 13.1858, 14.0642,
3.9918

■ 19.5985, 20.3358,
26.3345

■ 12.7597, 13.4881,
2.9985

■ 20.8377, 21.3539,
31.2488

■ 12.3993, 12.9508,
2.3133

■ 22.1855, 22.4291,
36.6940

■ 12.0903, 12.4463,
1.8600

■ 23.6450, 23.5625,
42.6854

■ 12.0086, 12.3118,
1.7435

■ 25.2191, 24.7554,
49.2379

■ 26.9105, 26.0091,
56.3657

Harmonies

Analogous

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



17.0662, 16.8042, 12.0876



15.6639, 16.8042, 11.6505



14.4181, 16.8042, 12.7736

Triad

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



15.6639, 16.8042, 11.6505



13.9045, 16.8042, 23.2963



18.5754, 16.8042, 21.5362

Complementary

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



15.6639, 16.8042, 11.6505



11.5678, 11.6392, 19.7260

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.



17.6335, 16.8042, 25.2192



15.6639, 16.8042, 11.6505



14.9254, 16.8042, 26.3348

Square

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



15.6639, 16.8042, 11.6505



13.4414, 16.8042, 19.1991



16.2839, 16.8042, 27.0855



18.8016, 16.8042, 17.4234

Rectangle

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



15.6639, 16.8042, 11.6505



13.8257, 16.8042, 14.3687



16.2839, 16.8042, 27.0855



18.3294, 16.8042, 22.8828

Sweetspot

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



15.6643, 16.8050, 11.6509



31.0571, 32.9198, 31.6884



13.4474, 11.8735, 12.4455



7.0507, 7.4815, 7.0581



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.



15.6643, 16.8050, 11.6509



27.1577, 29.1978, 17.8201



15.2365, 17.8011, 11.8657



4.2391, 4.4966, 4.2690



12.8609, 13.1777, 1.8657



60.7147, 61.5928, 8.6886

Inverse Universe

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



11.5678, 11.6392, 19.7260



18.4753, 18.2517, 34.9421



11.9082, 10.9208, 19.5694



3.8602, 4.0186, 5.0154



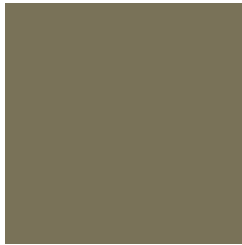
4.0788, 2.2401, 19.6027



18.9392, 9.6510, 93.3344

Previews

White Background



This preview shows how the XYZ color 15.6639, 16.8042, 11.6505 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 15.6639, 16.8042, 11.6505 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 15.6639, 16.8042, 11.6505

Background



This preview shows how black text looks on a background with the XYZ color 15.6639, 16.8042, 11.6505.



This preview shows how white text looks on a background with the XYZ color 15.6639, 16.8042,

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

15.6639, 16.8042, 11.6505

Protanopia

15.8048, 16.8768, 11.6571

Deuteranopia

16.9447, 16.6451, 11.7709



Tritanopia

17.3632, 16.8437, 19.7888

Trichromacy



Original Color

15.6639, 16.8042, 11.6505

Protanomaly

15.8048, 16.8768, 11.6571

Deuteranomaly

16.5409, 16.7573, 11.8139

Tritanomaly

16.7034, 16.7367, 16.5375

Monochromacy



Original Color

15.6639, 16.8042, 11.6505

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.6063, 16.5227, 15.4634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6639, 16.8042, 11.6505 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(121, 114, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 114, 88) }
```

Border

The CSS property to change the border of an element to XYZ 15.6639, 16.8042, 11.6505 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, 88) }
```


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

```
.border{ border-color:rgb(121, 114, 88) }
```

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, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 114, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 114, 88);  
box-shadow:4px 4px 4px 4px rgb(121, 114,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6639, 16.8042, 11.6505 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, 88) }
```

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

```
.background{ background-color: rgb(121,  
114, 88) }
```

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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