

Converting Colors

XYZ(15.6879, 15.8596, 10.1374)

Have a look what the booklet for
XYZ(15.6879, 15.8596, 10.1374)
contains.

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Color

**XYZ(15.7876, 15.9235,
10.2241)**

Conversions

Conversions Part 1

Format	Color
Hex	806C52
RGB	128, 108, 82
RGB Percent	50%, 42%, 32%
CMY	0.4980, 0.5765, 0.6784
CMYK	0.00, 0.16, 0.36, 0.50
HSL	34°, 22%, 41%
HSV	34°, 36%, 50%
XYZ	15.7876, 15.9235, 10.2241
YIQ	111.0160, 20.2660, -3.8460

Conversions

Conversions Part 2

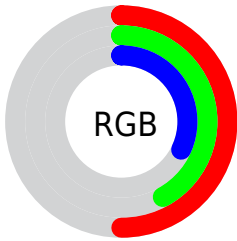
Format	Color
R_{YB}	117, 128, 82
Decimal	8416338
CIE _{Lab}	46.87, 3.84, 17.50
CIE _{LCh}	47, 17.916, 77.618
Yxy	15.9235, 0.3765, 0.3797
Android (android.graphics.Color)	4286606418 (0xFF806C52)
YUV	111.0160, -14.3049, 14.8950
Hunter-Lab	39.9043, 0.7887, 12.7420

Details

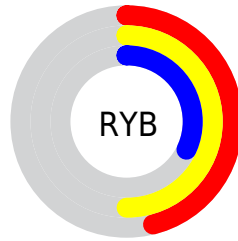
The XYZ color **15.7876, 15.9235, 10.2241** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.1271, 12.8546, 22.2640**, and the grayscale version is **15.1505, 15.9395, 17.3581**.

A 20% lighter version of the original color is **35.8544, 36.4073, 26.9674**, and **5.1446, 5.0908, 2.4617** is the 20% darker color. If you saturate the color by 10%, you get **14.7771, 14.6106, 7.7043**, and if you desaturate by 10%, it is **16.9272, 17.3491, 13.2357**.

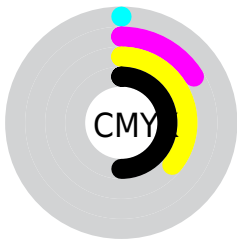
Distribution



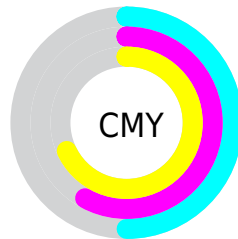
- Red (50%)
- Green (42%)
- Blue (32%)



- Red (46%)
- Yellow (50%)
- Blue (32%)



- Cyan (0%)
- Magenta (16%)
- Yellow (36%)
- Black (50%)





- Cyan (50%)
- Magenta (58%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7876, 15.9235, 10.2241 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 15.7876, 15.9235, 10.2241 by changing the saturation by 10% instead.


 15.7876, 15.9235,
10.2241


 15.7876, 15.9235,
10.2241


221.3802,
228.8899, 202.8067


 9.4639, 9.4700,
5.4403


 35.7895, 36.4653,
26.8305


 5.1045, 5.0490,
2.4446

 50.1984, 51.3225,
39.4902


 2.3441, 2.2761,
0.8106

 68.0330, 69.7497,
55.6123

 0.8171, 0.7610,
0.0000

 89.6588, 92.1313,
75.6152

 0.0000, 0.0000,
0.0000

 115.4411,
118.8518, 99.9176

145.7451,

150.2954, 128.9379

180.9364,
186.8466, 163.0948

■ 15.7876, 15.9235,
10.2241

■ 15.7876, 15.9235,
10.2241

■ 14.7771, 14.6106,
7.7043

■ 16.9272, 17.3491,
13.2357

■ 13.8888, 13.4049,
5.6484

■ 18.2002, 18.8885,
16.7629

■ 13.1169, 12.3034,
4.0272

■ 19.6119, 20.5455,
20.8292

■ 12.4543, 11.3022,
2.8077

■ 21.1670, 22.3229,
25.4563

■ 11.8932, 10.3968,
1.9523

■ 22.8700, 24.2236,
30.6648

■ 11.4207, 9.5810,
1.3967

■ 24.7252, 26.2503,
36.4740

■ 11.2425, 9.2701,
1.1968

■ 26.7367, 28.4055,
42.9027

■ 28.9084, 30.6917,
49.9685

■ 31.2441, 33.1115,
57.6885

Harmonies

Analogous

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



17.2496, 15.9235, 11.7318



15.7876, 15.9235, 10.2241



14.2444, 15.9235, 10.3677

Triad

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



15.7876, 15.9235, 10.2241



12.4505, 15.9235, 20.0721



17.4620, 15.9235, 23.8020

Complementary

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



15.7876, 15.9235, 10.2241



12.1271, 12.8546, 22.2640

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.



16.0616, 15.9235, 26.8894



15.7876, 15.9235, 10.2241



13.2004, 15.9235, 24.4945

Square

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



15.7876, 15.9235, 10.2241



12.3883, 15.9235, 15.5592



14.5003, 15.9235, 27.1626



18.2599, 15.9235, 19.2474

Rectangle

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



15.7876, 15.9235, 10.2241



13.3756, 15.9235, 11.3814



14.5003, 15.9235, 27.1626



17.0419, 15.9235, 25.0774

Sweetspot

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



15.7880, 15.9242, 10.2244



33.1776, 34.5966, 32.7463



14.3526, 11.5972, 14.2353



7.7037, 8.0246, 7.4829



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.7880, 15.9242, 10.2244



26.3469, 26.1597, 14.3631



17.8022, 20.4603, 10.9938



4.5136, 4.7160, 4.5925



11.1492, 9.1948, 1.1871



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1271, 12.8546, 22.2640



18.9173, 19.9332, 38.8067



10.5968, 9.4920, 21.6956



4.2507, 4.4953, 5.4569



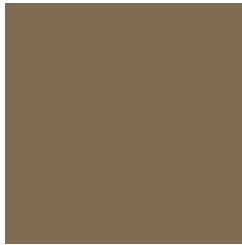
5.2500, 4.3184, 20.8068



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.7876, 15.9235, 10.2241 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 15.7876, 15.9235, 10.2241 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 15.7876, 15.9235, 10.2241

Background



This preview shows how black text looks on a background with the XYZ color 15.7876, 15.9235, 10.2241.



This preview shows how white text looks on a background with the XYZ color 15.7876, 15.9235,

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

15.7876, 15.9235, 10.2241

Protanopia

14.8535, 15.9154, 10.4727

Deuteranopia

16.1408, 15.9499, 10.2106



Tritanopia

17.2350, 15.8958, 17.4890

Trichromacy



Original Color

15.7876, 15.9235, 10.2241

Protanomaly

15.1633, 15.9140, 10.4561

Deuteranomaly

15.9866, 15.8704, 10.2034

Tritanomaly

16.6065, 15.7886, 14.4842

Monochromacy



Original Color

15.7876, 15.9235, 10.2241

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.2123, 15.8539, 14.3149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7876, 15.9235, 10.2241 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(128, 108, 82)` looks like.

```
.text, #text, p{  
    color:rgb(128, 108, 82)  
}
```

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(128, 108, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 108, 82) }
```

Border

The CSS property to change the border of an element to XYZ 15.7876, 15.9235, 10.2241 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(128, 108, 82) }
```


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

```
.border{ border-color:rgb(128, 108, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 108, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 108, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 108, 82);  
box-shadow:4px 4px 4px 4px rgb(128, 108,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7876, 15.9235, 10.2241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 108, 82) }
```

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

```
.background{ background-color: rgb(128,  
108, 82) }
```

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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