

Converting Colors

XYZ(15.8856, 15.5910, 6.5870)

Have a look what the booklet for
XYZ(15.8856, 15.5910, 6.5870)
contains.

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Color

**XYZ(15.8856, 15.5910,
6.5870)**

Conversions

Conversions Part 1

Format	Color
Hex	87693D
RGB	135, 105, 61
RGB Percent	53%, 41%, 24%
CMY	0.4706, 0.5882, 0.7608
CMYK	0.00, 0.22, 0.55, 0.47
HSL	36°, 38%, 38%
HSV	36°, 55%, 53%
XYZ	15.8856, 15.5910, 6.5870
YIQ	108.9540, 32.0040, -7.3240

Conversions

Conversions Part 2

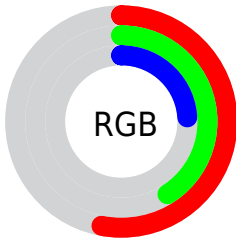
Format	Color
R_{YB}	111, 135, 61
Decimal	8874301
CIE _{Lab}	46.43, 6.31, 29.13
CIE _{LCh}	46, 29.806, 77.780
Yxy	15.5910, 0.4173, 0.4096
Android (android.graphics.Color)	4287064381 (0xFF87693D)
YUV	108.9540, -23.6413, 22.8423
Hunter-Lab	39.4854, 2.7138, 17.7490

Details

The XYZ color **15.8856, 15.5910, 6.5870** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.0386, 10.2232, 24.3659**, and the grayscale version is **14.5817, 15.3411, 16.7065**.

A 20% lighter version of the original color is **35.8840, 35.8282, 19.4922**, and **5.1739, 4.9025, 1.1638** is the 20% darker color. If you saturate the color by 10%, you get **15.0273, 14.3849, 4.7272**, and if you desaturate by 10%, it is **16.8721, 16.9070, 8.9416**.

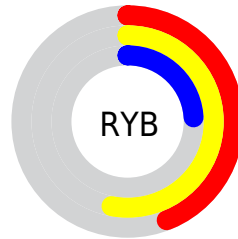
Distribution



Red (53%)

Green (41%)

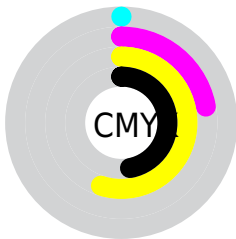
Blue (24%)



Red (44%)

Yellow (53%)

Blue (24%)

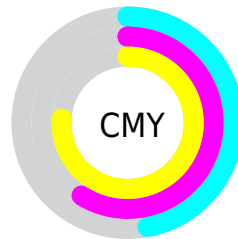


Cyan (0%)

Magenta (22%)

Yellow (55%)

Black (47%)



Cyan (47%)

Magenta (59%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8856, 15.5910, 6.5870 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 15.8856, 15.5910, 6.5870 by changing the saturation by 10% instead.

■ 15.8856, 15.5910,
6.5870

■ 15.8856, 15.5910,
6.5870

221.9494,
226.9160, 173.6851

■ 9.5336, 9.2352,
3.1307

■ 35.9585, 35.8867,
19.6359

■ 5.1507, 4.8949,
1.1617

■ 50.4102, 50.5954,
30.0656

■ 2.3716, 2.1857,
0.0000

■ 68.2924, 68.8571,
43.6569

■ 0.8309, 0.7122,
0.0000

■ 89.9705, 91.0564,
60.8282

■ 0.0000, 0.0000,
0.0000

■ 115.8099,
117.5775, 81.9981

■ 146.1759,

148.8049, 107.5852

181.4340,
185.1229, 138.0080

■ 15.8856, 15.5910,
6.5870

■ 15.8856, 15.5910,
6.5870

■ 15.0273, 14.3849,
4.7272

■ 16.8721, 16.9070,
8.9416

■ 14.2884, 13.2823,
3.3241

■ 17.9926, 18.3344,
11.8234

■ 13.6605, 12.2793,
2.3356

■ 19.2539, 19.8776,
15.2631

■ 13.1320, 11.3702,
1.7036

■ 20.6619, 21.5399,
19.2887

■ 12.8806, 10.9287,
1.4306

■ 22.2220, 23.3245,
23.9264

■ 23.9395, 25.2345,
29.2007

■ 25.8194, 27.2726,
35.1349

■ 27.8664, 29.4418,
41.7509

■ 30.0849, 31.7446,
49.0698

Harmonies

Analogous

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



18.3799, 15.5910, 8.5277



15.8856, 15.5910, 6.5870



13.3654, 15.5910, 6.7772

Triad

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



15.8856, 15.5910, 6.5870



10.6072, 15.5910, 21.6566



18.7726, 15.5910, 28.3246

Complementary

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



15.8856, 15.5910, 6.5870



10.0386, 10.2232, 24.3659

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.



16.3738, 15.5910, 34.2560



15.8856, 15.5910, 6.5870



11.7502, 15.5910, 29.7074

Square

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



15.8856, 15.5910, 6.5870



10.5085, 15.5910, 14.1627



13.8008, 15.5910, 34.8246



20.1709, 15.5910, 20.1391

Rectangle

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



15.8856, 15.5910, 6.5870



12.0022, 15.5910, 8.0916



13.8008, 15.5910, 34.8246



18.0447, 15.5910, 30.7387

Sweetspot

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



15.8860, 15.5918, 6.5873



36.5945, 38.1000, 33.3585



13.5850, 9.2583, 11.1583



8.3689, 8.6994, 7.4191



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.8860, 15.5918, 6.5873



26.5381, 25.2166, 7.7191



18.5343, 22.3190, 7.7462



4.8856, 5.1147, 4.9591



11.8908, 10.1042, 1.3236



0.0484, 0.0494, 0.0070

Inverse Universe

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



10.0386, 10.2232, 24.3659



14.9312, 14.5816, 43.0759



8.3683, 6.2861, 23.6940



4.5780, 4.8316, 5.8921



5.2929, 4.1336, 21.6556



0.0252, 0.0280, 0.0773

Previews

White Background



This preview shows how the XYZ color 15.8856, 15.5910, 6.5870 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 15.8856, 15.5910, 6.5870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

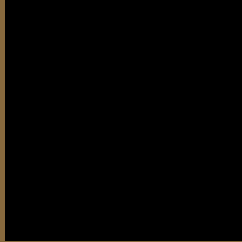
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8856, 15.5910, 6.5870

Background



This preview shows how black text looks on a background with the XYZ color 15.8856, 15.5910, 6.5870.



This preview shows how white text looks on a background with the XYZ color 15.8856, 15.5910,

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

15.8856, 15.5910, 6.5870

Protanopia

14.3583, 15.5757, 6.9523

Deuteranopia

15.8856, 15.5910, 6.5870



Tritanopia

17.8585, 15.6648, 15.9923

Trichromacy



Original Color

15.8856, 15.5910, 6.5870

Protanomaly

14.8362, 15.5085, 6.7689

Deuteranomaly

15.8856, 15.5910, 6.5870

Tritanomaly

17.0781, 15.6442, 11.7924

Monochromacy



Original Color

15.8856, 15.5910, 6.5870

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.7655, 15.3494, 12.3097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8856, 15.5910, 6.5870 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(135, 105, 61)` looks like.

```
.text, #text, p{  
    color:rgb(135, 105, 61)  
}
```

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(135, 105, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 105, 61) }
```

Border

The CSS property to change the border of an element to XYZ 15.8856, 15.5910, 6.5870 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(135, 105, 61) }
```


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

```
.border{ border-color:rgb(135, 105, 61) }
```

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

Here you see how a box with a 4 pixel rgb(135, 105, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 105, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 105, 61);  
box-shadow:4px 4px 4px 4px rgb(135, 105,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8856, 15.5910, 6.5870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 105, 61) }
```

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

```
.background{ background-color: rgb(135,  
105, 61) }
```

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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