

Converting Colors

XYZ(15.6858, 22.8571, 15.3895)

Have a look what the booklet for
XYZ(15.6858, 22.8571, 15.3895)
contains.

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Color

**XYZ(15.6858, 22.8571,
15.3895)**

Conversions

Conversions Part 1

Format	Color
Hex	509163
RGB	80, 145, 99
RGB Percent	31%, 57%, 39%
CMY	0.6863, 0.4314, 0.6118
CMYK	0.45, 0.00, 0.32, 0.43
HSL	138°, 29%, 44%
HSV	138°, 45%, 57%
XYZ	15.6858, 22.8571, 15.3895
YIQ	120.3210, -23.9740, -28.0860

Conversions

Conversions Part 2

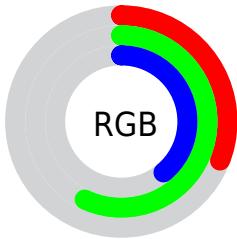
Format	Color
RYB	80, 130, 145
Decimal	5280099
CIELab	54.92, -31.45, 18.10
CIELCh	55, 36.291, 150.075
Yxy	22.8571, 0.2908, 0.4238
Android (android.graphics.Color)	4283470179 (0xFF509163)
YUV	120.3210, -10.5113, -35.3615
Hunter-Lab	47.8091, -25.1014, 14.3812

Details

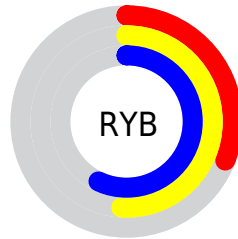
The XYZ color **15.6858, 22.8571, 15.3895** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.3124, 13.2639, 21.3346**, and the grayscale version is **17.9940, 18.9311, 20.6160**.

A 20% lighter version of the original color is **35.6013, 48.0354, 36.2495**, and **5.0745, 8.4864, 4.6194** is the 20% darker color. If you saturate the color by 10%, you get **14.1314, 22.1095, 12.9167**, and if you desaturate by 10%, it is **17.5680, 23.7677, 18.2041**.

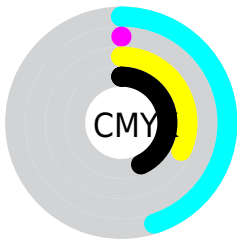
Distribution



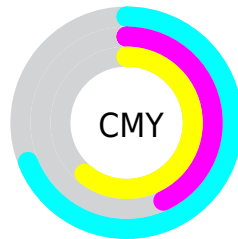
- Red (31%)
- Green (57%)
- Blue (39%)



- Red (31%)
- Yellow (51%)
- Blue (57%)



- Cyan (45%)
- Magenta (0%)
- Yellow (32%)
- Black (43%)



- Cyan (69%)
- Magenta (43%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6858, 22.8571, 15.3895 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 15.6858, 22.8571, 15.3895 by changing the saturation by 10% instead.

■ 15.6858, 22.8571,
15.3895

■ 15.6858, 22.8571,
15.3895

220.7875,
266.9902, 237.4332

■ 9.3915, 14.4880,
8.9436

■ 35.6137, 48.1586,
36.2870

■ 5.0566, 8.4609,
4.6081

■ 49.9781, 65.8598,
51.5756

■ 2.3156, 4.3912,
1.9645

■ 67.7632, 87.4405,
70.6488

■ 0.8026, 1.8947,
0.5333

■ 89.3345, 113.2850,
93.9252

■ 0.0000, 0.5452,
0.0000

■ 115.0572,
143.7779, 121.8233

■ 0.0000, 0.0000,
0.0000

145.2967,

179.3035, 154.7616

180.4183,
220.2461, 193.1588

■ 15.6858, 22.8571,
15.3895

■ 15.6858, 22.8571,
15.3895

■ 14.1314, 22.1095,
12.9167

■ 17.5680, 23.7677,
18.2041

■ 12.8834, 21.5124,
10.7711

■ 19.7941, 24.8475,
21.3713

■ 11.9210, 21.0558,
8.9393


■ 22.3812, 26.1057,
24.9034


■ 11.2193, 20.7272,
7.4063


■ 25.3447, 27.5500,
28.8116


■ 10.7469, 20.5109,
6.1557


■ 28.6991, 29.1877,
33.1066

 10.5507, 20.4216,
5.6124

 32.4582, 31.0256,
37.7986

 36.6350, 33.0703,
42.8976

 41.2420, 35.3280,
48.4130

 46.2912, 37.8047,
54.3541

Harmonies

Analogous

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



18.0738, 22.8571, 10.2157



15.6858, 22.8571, 15.3895



14.8702, 22.8571, 24.9166

Triad

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



15.6858, 22.8571, 15.3895



21.7351, 22.8571, 54.2717



29.1316, 22.8571, 15.3530

Complementary

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



15.6858, 22.8571, 15.3895



18.3124, 13.2639, 21.3346

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.



30.4166, 22.8571, 24.8584



15.6858, 22.8571, 15.3895



25.8374, 22.8571, 49.4082

Square

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



15.6858, 22.8571, 15.3895



18.0894, 22.8571, 49.4541



29.1439, 22.8571, 37.6585



25.8177, 22.8571, 10.1996

Rectangle

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



15.6858, 22.8571, 15.3895



15.2383, 22.8571, 33.2943



29.1439, 22.8571, 37.6585



29.8321, 22.8571, 18.0302

Sweetspot

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



15.6864, 22.8580, 15.3900



40.8610, 47.1300, 45.6413



20.2646, 25.3111, 11.4072



8.8667, 10.3759, 9.8546



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.6864, 22.8580, 15.3900



25.2318, 39.5576, 23.0081



17.5254, 23.5937, 25.0743



5.4037, 6.0537, 6.0917



9.0595, 17.5197, 4.8677



0.0953, 0.1710, 0.0922

Inverse Universe

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



18.3124, 13.2639, 21.3346



30.5547, 20.0651, 35.0248



16.5705, 12.5672, 12.1620



5.5600, 5.4845, 6.4469



12.1109, 6.0014, 11.5010



0.1254, 0.0612, 0.1607

Previews

White Background



This preview shows how the XYZ color 15.6858, 22.8571, 15.3895 looks on a white 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

Black Background



This preview shows how the XYZ color 15.6858, 22.8571, 15.3895 looks on a black 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

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

XYZ 15.6858, 22.8571, 15.3895

Background



This preview shows how black text looks on a background with the XYZ color 15.6858, 22.8571, 15.3895.



This preview shows how white text looks on a background with the XYZ color 15.6858, 22.8571,

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

15.6858, 22.8571, 15.3895

Protanopia

21.0766, 22.6856, 13.6238

Deuteranopia

23.0459, 22.6733, 15.9937



Tritanopia

19.1513, 22.9426, 32.2731

Trichromacy



Original Color

15.6858, 22.8571, 15.3895

Protanomaly

18.4775, 22.3565, 14.1678

Deuteranomaly

19.3900, 22.1700, 15.8276

Tritanomaly

17.6461, 22.7632, 24.9364

Monochromacy



Original Color

15.6858, 22.8571, 15.3895

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.6006, 19.8736, 18.2903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6858, 22.8571, 15.3895 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(80, 145, 99)` looks like.

```
.text, #text, p{  
    color:rgb(80, 145, 99)  
}
```

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(80, 145, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 145, 99) }
```

Border

The CSS property to change the border of an element to XYZ 15.6858, 22.8571, 15.3895 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(80, 145, 99) }
```


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

```
.border{ border-color:rgb(80, 145, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 145, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 145, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 145, 99);  
box-shadow:4px 4px 4px 4px rgb(80, 145,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6858, 22.8571, 15.3895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 145, 99) }
```

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

```
.background{ background-color: rgb(80, 145,  
99) }
```

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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