

Converting Colors

XYZ(15.9511, 22.2799, 16.6885)

Have a look what the booklet for
XYZ(15.9511, 22.2799, 16.6885)
contains.

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Color

**XYZ(15.9180, 22.2768,
16.5576)**

Conversions

Conversions Part 1

Format	Color
Hex	558E68
RGB	85, 142, 104
RGB Percent	33%, 56%, 41%
CMY	0.6667, 0.4431, 0.5922
CMYK	0.40, 0.00, 0.27, 0.44
HSL	140°, 25%, 45%
HSV	140°, 40%, 56%
XYZ	15.9180, 22.2768, 16.5576
YIQ	120.6250, -21.7740, -23.9020

Conversions

Conversions Part 2

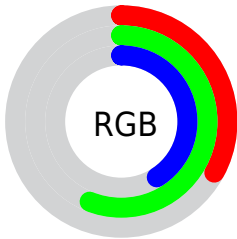
Format	Color
R_{YB}	85, 128, 142
Decimal	5607016
CIE _{Lab}	54.32, -27.50, 14.49
CIE _{LCh}	54, 31.080, 152.214
Yxy	22.2768, 0.2907, 0.4069
Android (android.graphics.Color)	4283797096 (0xFF558E68)
YUV	120.6250, -8.1961, -31.2431
Hunter-Lab	47.1983, -22.3965, 12.2393

Details

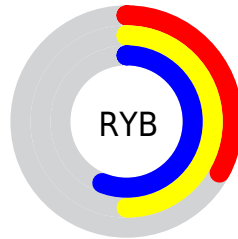
The XYZ color **15.9180, 22.2768, 16.5576** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.9797, 13.6783, 20.4322**, and the grayscale version is **18.0841, 19.0259, 20.7192**.

A 20% lighter version of the original color is **35.9729, 47.1648, 38.2181**, and **5.1393, 8.1177, 5.1669** is the 20% darker color. If you saturate the color by 10%, you get **14.3018, 21.4967, 14.1114**, and if you desaturate by 10%, it is **17.8481, 23.2137, 19.3014**.

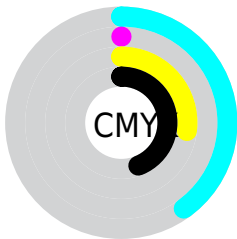
Distribution



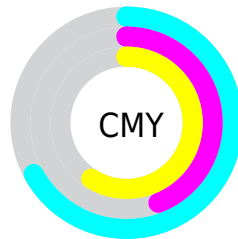
- Red (33%)
- Green (56%)
- Blue (41%)



- Red (33%)
- Yellow (50%)
- Blue (56%)



- Cyan (40%)
- Magenta (0%)
- Yellow (27%)
- Black (44%)



- Cyan (67%)
- Magenta (44%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9180, 22.2768, 16.5576 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 15.9180, 22.2768, 16.5576 by changing the saturation by 10% instead.

■ 15.9180, 22.2768,
16.5576

■ 15.9180, 22.2768,
16.5576

222.1373,
263.9884, 244.5669

■ 9.5566, 14.0604,
9.7610

■ 36.0144, 47.2031,
38.3437

■ 5.1660, 8.1627,
5.1372

■ 50.4801, 64.6817,
54.1703

■ 2.3807, 4.1992,
2.2679

■ 68.3780, 86.0167,
73.8439

■ 0.8355, 1.7856,
0.7131

■ 90.0734, 111.5922,
97.7832

■ 0.0000, 0.4782,
0.0000

■ 115.9317,
141.7927, 126.4065

■ 0.0000, 0.0000,
0.0000

146.3182,

177.0027, 160.1326

181.5983,
217.6064, 199.3799

■ 15.9180, 22.2768,
16.5576

■ 15.9180, 22.2768,
16.5576

■ 14.3018, 21.4967,
14.1114

■ 17.8481, 23.2137,
19.3014

■ 12.9805, 20.8620,
11.9510

■ 20.1064, 24.3127,
22.3507

■ 11.9354, 20.3639,
10.0665


■ 22.7082, 25.5822,
25.7154


■ 11.1451, 19.9915,
8.4463


■ 25.6675, 27.0292,
29.4040


■ 10.5848, 19.7323,
7.0783


■ 28.9974, 28.6603,
33.4251

 10.1933, 19.5548,
5.9620

 32.7105, 30.4818,
37.7867

 36.8185, 32.4996,
42.4966

 41.3329, 34.7193,
47.5625

 46.2645, 37.1466,
52.9916

Harmonies

Analogous

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



17.8876, 22.2768, 11.6489



15.9180, 22.2768, 16.5576



15.3090, 22.2768, 24.9835

Triad

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



15.9180, 22.2768, 16.5576



21.4261, 22.2768, 48.0781



27.1761, 22.2768, 15.6086

Complementary

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



15.9180, 22.2768, 16.5576



17.9797, 13.6783, 20.4322

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.



28.3716, 22.2768, 23.5421



15.9180, 22.2768, 16.5576



24.8389, 22.2768, 43.7084

Square

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



15.9180, 22.2768, 16.5576



18.2799, 22.2768, 44.7843



27.4743, 22.2768, 34.0320



24.3572, 22.2768, 11.2125

Rectangle

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



15.9180, 22.2768, 16.5576



15.6978, 22.2768, 32.0137



27.4743, 22.2768, 34.0320



27.7939, 22.2768, 17.8646

Sweetspot

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



15.9186, 22.2777, 16.5581



39.0234, 44.6125, 44.0471



19.6185, 24.2843, 12.2478



8.6003, 9.9078, 9.6898



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.9186, 22.2777, 16.5581



25.5180, 38.0501, 25.3505



17.5541, 22.9319, 25.1707



5.4124, 6.0572, 6.1376



9.1595, 17.5597, 5.3942



0.0970, 0.1717, 0.1012

Inverse Universe

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



17.9797, 13.6783, 20.4322



29.6578, 20.7513, 33.1121



16.4905, 13.0826, 12.5904



5.5509, 5.4809, 6.3988



11.8656, 5.9032, 10.2093



0.1237, 0.0605, 0.1516

Previews

White Background



This preview shows how the XYZ color 15.9180, 22.2768, 16.5576 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 15.9180, 22.2768, 16.5576 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 15.9180, 22.2768, 16.5576

Background



This preview shows how black text looks on a background with the XYZ color 15.9180, 22.2768, 16.5576.



This preview shows how white text looks on a background with the XYZ color 15.9180, 22.2768,

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

15.9180, 22.2768, 16.5576

Protanopia

20.5361, 21.9856, 14.7166

Deuteranopia

22.3089, 21.8876, 17.2363



Tritanopia

18.7899, 22.1478, 30.8884

Trichromacy



Original Color

15.9180, 22.2768, 16.5576

Protanomaly

18.4331, 21.8922, 15.3107

Deuteranomaly

19.3743, 21.7298, 17.0830

Tritanomaly

17.4996, 22.0398, 24.8045

Monochromacy



Original Color

15.9180, 22.2768, 16.5576

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.1291, 20.1265, 19.2017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9180, 22.2768, 16.5576 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(85, 142, 104)` looks like.

```
.text, #text, p{  
    color:rgb(85, 142, 104)  
}
```

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(85, 142, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 142, 104) }
```

Border

The CSS property to change the border of an element to XYZ 15.9180, 22.2768, 16.5576 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(85, 142, 104) }
```


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

```
.border{ border-color:rgb(85, 142, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 142, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 142, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 142, 104);  
box-shadow:4px 4px 4px 4px rgb(85, 142,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9180, 22.2768, 16.5576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 142, 104) }
```

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

```
.background{ background-color: rgb(85, 142,  
104) }
```

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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