

Converting Colors

XYZ(15.4598, 19.5332, 20.3070)

Have a look what the booklet for
XYZ(15.4598, 19.5332, 20.3070)
contains.

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Color

**XYZ(15.4322, 19.4210,
20.3880)**

Conversions

Conversions Part 1

Format	Color
Hex	598277
RGB	89, 130, 119
RGB Percent	35%, 51%, 47%
CMY	0.6510, 0.4902, 0.5333
CMYK	0.32, 0.00, 0.08, 0.49
HSL	164°, 19%, 43%
HSV	164°, 32%, 51%
XYZ	15.4322, 19.4210, 20.3880
YIQ	116.4870, -20.9050, -12.1130

Conversions

Conversions Part 2

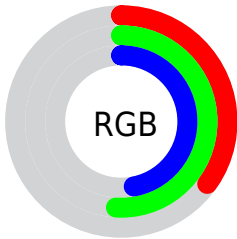
Format	Color
RYB	89, 113, 130
Decimal	5866103
CIELab	51.18, -16.78, 1.40
CIElCh	51, 16.839, 175.227
Yxy	19.4210, 0.2794, 0.3516
Android (android.graphics.Color)	4284056183 (0xFF598277)
YUV	116.4870, 1.2389, -24.1061
Hunter-Lab	44.0693, -14.6140, 3.4188

Details

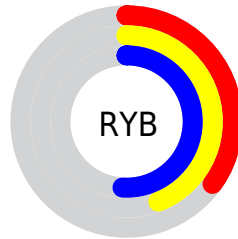
The XYZ color **15.4322, 19.4210, 20.3880** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.0792, 12.8112, 13.7354**, and the grayscale version is **16.7514, 17.6238, 19.1923**.

A 20% lighter version of the original color is **35.0994, 42.3827, 44.8588**, and **4.9204, 6.6637, 6.9881** is the 20% darker color. If you saturate the color by 10%, you get **14.0876, 18.7521, 19.2518**, and if you desaturate by 10%, it is **17.0059, 20.2081, 21.5759**.

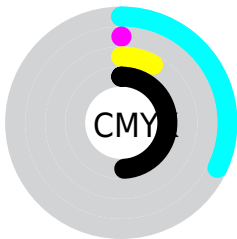
Distribution



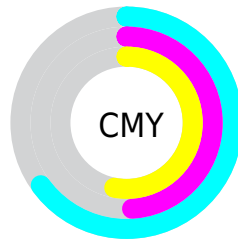
- Red (35%)
- Green (51%)
- Blue (47%)



- Red (35%)
- Yellow (44%)
- Blue (51%)



- Cyan (32%)
- Magenta (0%)
- Yellow (8%)
- Black (49%)



- Cyan (65%)
- Magenta (49%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4322, 19.4210, 20.3880 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 15.4322, 19.4210, 20.3880 by changing the saturation by 10% instead.

■ 15.4322, 19.4210,
20.3880

■ 15.4322, 19.4210,
20.3880

219.3044,
248.7632, 266.6813

■ 9.2116, 11.9749,
12.4905

■ 35.1751, 42.4443,
44.9342

■ 4.9376, 6.7266,
6.9521

■ 49.4280, 58.7902,
62.4201

■ 2.2451, 3.2917,
3.3542

■ 67.0892, 78.8716,
83.9391

■ 0.7663, 1.2859,
1.2782

■ 88.5238, 103.0727,
109.9099

■ 0.0000, 0.1302,
0.0438

■ 114.0972,
131.7781, 140.7510

■ 0.0000, 0.0000,
0.0000

144.1749,

165.3720, 176.8809

179.1222,
204.2389, 218.7181

■ 15.4322, 19.4210,
20.3880

■ 15.4322, 19.4210,
20.3880

■ 14.0876, 18.7521,
19.2518

■ 17.0059, 20.2081,
21.5759

■ 12.9589, 18.1931,
18.1650

■ 18.8179, 21.1167,
22.8152

■ 12.0338, 17.7382,
17.1270

■ 20.8789, 22.1527,
24.1070

■ 11.2982, 17.3802,
16.1367

■ 23.1983, 23.3211,
25.4524

■ 10.7361, 17.1107,
15.1930

■ 25.7853, 24.6264,
26.8521

■ 10.3290, 16.9203,
14.2945

■ 28.6484, 26.0732,
28.3068

■ 10.0540, 16.7944,
13.5668

■ 31.7958, 27.6655,
29.8175

■ 35.2353, 29.4075,
31.3847

■ 38.9745, 31.3030,
33.0093

Harmonies

Analogous

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



15.9381, 19.4210, 16.3101



15.4322, 19.4210, 20.3880



15.6964, 19.4210, 25.3257

Triad

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



15.4322, 19.4210, 20.3880



19.8660, 19.4210, 30.6351



20.3574, 19.4210, 14.4389

Complementary

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



15.4322, 19.4210, 20.3880



15.0792, 12.8112, 13.7354

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.



21.5283, 19.4210, 17.4538



15.4322, 19.4210, 20.3880



21.2328, 19.4210, 26.8545

Square

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



15.4322, 19.4210, 20.3880



18.1924, 19.4210, 31.7332



21.8579, 19.4210, 21.9229



18.7283, 19.4210, 13.2224

Rectangle

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



15.4322, 19.4210, 20.3880



16.2826, 19.4210, 28.3927



21.8579, 19.4210, 21.9229



20.8214, 19.4210, 15.2512

Sweetspot

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



15.4327, 19.4218, 20.3884



33.9460, 37.5922, 40.7005



15.1104, 19.4320, 12.4058



7.5856, 8.4597, 9.1493



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.



15.4327, 19.4218, 20.3884



25.4045, 33.3189, 34.4298



15.0012, 17.4394, 23.6955



4.3987, 4.8678, 5.2708



9.6427, 16.1037, 13.0232



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.0792, 12.8112, 13.7354



24.6800, 19.7212, 20.7582



15.3665, 14.1812, 11.3788



4.3715, 4.3618, 4.7608



9.1188, 4.6672, 1.9497



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.4322, 19.4210, 20.3880 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 15.4322, 19.4210, 20.3880 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 15.4322, 19.4210, 20.3880

Background



This preview shows how black text looks on a background with the XYZ color 15.4322, 19.4210, 20.3880.

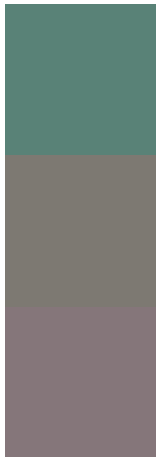


This preview shows how white text looks on a background with the XYZ color 15.4322, 19.4210,

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

15.4322, 19.4210, 20.3880

Protanopia

18.3321, 19.2496, 18.6689

Deuteranopia

19.6642, 19.3486, 21.1106



Tritanopia

16.6189, 19.3120, 26.5186

Trichromacy



Original Color

15.4322, 19.4210, 20.3880

Protanomaly

17.0421, 19.1210, 19.3155

Deuteranomaly

17.7468, 19.0815, 20.8369

Tritanomaly

16.1621, 19.3254, 23.9974

Monochromacy



Original Color

15.4322, 19.4210, 20.3880

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.9921, 18.0233, 19.4656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4322, 19.4210, 20.3880 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(89, 130, 119)` looks like.

```
.text, #text, p{  
    color:rgb(89, 130, 119)  
}
```

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(89, 130, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 130, 119) }
```

Border

The CSS property to change the border of an element to XYZ 15.4322, 19.4210, 20.3880 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(89, 130, 119) }
```


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

```
.border{ border-color:rgb(89, 130, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 130, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 130, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 130, 119);  
box-shadow:4px 4px 4px 4px rgb(89, 130,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4322, 19.4210, 20.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 130, 119) }
```

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

```
.background{ background-color: rgb(89, 130,  
119) }
```

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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