

Converting Colors

XYZ(15.6828, 20.1251, 18.0166)

Have a look what the booklet for
XYZ(15.6828, 20.1251, 18.0166)
contains.

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Color

**XYZ(15.7710, 20.2499,
18.1163)**

Conversions

Conversions Part 1

Format	Color
Hex	5D856F
RGB	93, 133, 111
RGB Percent	36%, 52%, 44%
CMY	0.6353, 0.4784, 0.5647
CMYK	0.30, 0.00, 0.17, 0.48
HSL	147°, 18%, 44%
HSV	147°, 30%, 52%
XYZ	15.7710, 20.2499, 18.1163
YIQ	118.5320, -16.7780, -15.3220

Conversions

Conversions Part 2

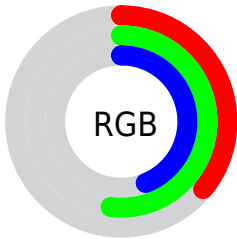
Format	Color
R_{YB}	93, 121, 133
Decimal	6129007
CIE _{Lab}	52.12, -18.86, 7.44
CIE _{LCh}	52, 20.277, 158.462
Yxy	20.2499, 0.2913, 0.3740
Android (android.graphics.Color)	4284319087 (0xFF5D856F)
YUV	118.5320, -3.7133, -22.3916
Hunter-Lab	44.9999, -16.1914, 7.6306

Details

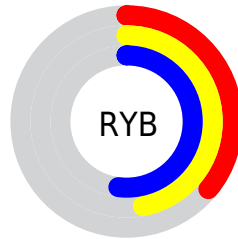
The XYZ color **15.7710, 20.2499, 18.1163** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.6825, 14.0536, 18.0540**, and the grayscale version is **17.4025, 18.3087, 19.9382**.

A 20% lighter version of the original color is **35.6714, 43.6914, 41.2035**, and **5.0726, 7.1033, 5.8063** is the 20% darker color. If you saturate the color by 10%, you get **14.1537, 19.4614, 16.0235**, and if you desaturate by 10%, it is **17.6566, 21.1740, 20.3947**.

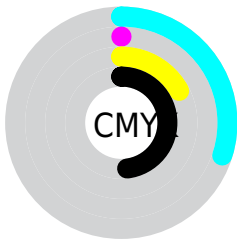
Distribution



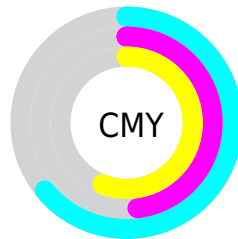
- Red (36%)
- Green (52%)
- Blue (44%)



- Red (36%)
- Yellow (47%)
- Blue (52%)



- Cyan (30%)
- Magenta (0%)
- Yellow (17%)
- Black (48%)



- Cyan (64%)
- Magenta (48%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7710, 20.2499, 18.1163 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 15.7710, 20.2499, 18.1163 by changing the saturation by 10% instead.

■ 15.7710, 20.2499,
18.1163

■ 15.7710, 20.2499,
18.1163

221.2837,
253.2648, 253.7838

■ 9.4521, 12.5768,
10.8632

■ 35.7609, 43.8358,
41.0520

■ 5.0967, 7.1378,
5.8619

■ 50.1625, 60.5173,
57.5717

■ 2.3394, 3.5484,
2.6939

■ 67.9891, 80.9706,
78.0174

■ 0.8147, 1.4243,
0.9403

■ 89.6060, 105.5798,
102.8075

■ 0.0000, 0.2345,
0.0000

115.3785,
134.7294, 132.3607

■ 0.0000, 0.0000,
0.0000

145.6721,

168.8039, 167.0955

180.8520,
208.1875, 207.4303

■ 15.7710, 20.2499,
18.1163

■ 15.7710, 20.2499,
18.1163

■ 14.1537, 19.4614,
16.0235

■ 17.6566, 21.1740,
20.3947

■ 12.7902, 18.7994,
14.1104

■ 19.8207, 22.2373,
22.8620

■ 11.6669, 18.2576,
12.3724

■ 22.2754, 23.4464,
25.5229

■ 10.7683, 17.8281,
10.8043

■ 25.0311, 24.8066,
28.3816

■ 10.0771, 17.5022,
9.4008

■ 28.0979, 26.3230,
31.4423

■ 9.5732, 17.2694,
8.1560

■ 31.4855, 28.0006,
34.7089

■ 9.1995, 17.1004,
7.0697

■ 35.2030, 29.8439,
38.1852

■ 39.2592, 31.8575,
41.8750

■ 43.6626, 34.0457,
45.7819

Harmonies

Analogous

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



16.8717, 20.2499, 14.2610



15.7710, 20.2499, 18.1163



15.5661, 20.2499, 23.7722

Triad

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



15.7710, 20.2499, 18.1163



19.8397, 20.2499, 35.3831



22.5411, 20.2499, 15.6810

Complementary

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



15.7710, 20.2499, 18.1163



16.6825, 14.0536, 18.0540

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.



23.4666, 20.2499, 20.4106



15.7710, 20.2499, 18.1163



21.8352, 20.2499, 32.2541

Square

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



15.7710, 20.2499, 18.1163



17.8198, 20.2499, 34.4684



23.1994, 20.2499, 26.5126



20.7483, 20.2499, 13.0407

Rectangle

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



15.7710, 20.2499, 18.1163



15.9499, 20.2499, 27.9512



23.1994, 20.2499, 26.5126



22.9696, 20.2499, 17.0418

Sweetspot

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



15.7716, 20.2507, 18.1168



35.8553, 39.9989, 41.3405



17.5223, 21.2565, 13.5357



7.9600, 8.9534, 9.1829



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.7716, 20.2507, 18.1168



26.2379, 35.2847, 29.8788



16.9541, 20.7238, 24.3440



4.6969, 5.2370, 5.4153



8.7663, 16.2894, 6.7547



0.0340, 0.0579, 0.0423

Inverse Universe

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



16.6825, 14.0536, 18.0540



28.1388, 22.3475, 29.7443



15.6839, 13.6542, 12.7953



4.7717, 4.7284, 5.4103



10.3680, 5.2116, 6.5104



0.0396, 0.0195, 0.0420

Previews

White Background



This preview shows how the XYZ color 15.7710, 20.2499, 18.1163 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 15.7710, 20.2499, 18.1163 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 15.7710, 20.2499, 18.1163

Background



This preview shows how black text looks on a background with the XYZ color 15.7710, 20.2499, 18.1163.



This preview shows how white text looks on a background with the XYZ color 15.7710, 20.2499,

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

15.7710, 20.2499, 18.1163

Protanopia

19.0151, 20.2017, 16.5328

Deuteranopia

20.4493, 19.9840, 18.6991



Tritanopia

17.6560, 20.2172, 27.3978

Trichromacy



Original Color

15.7710, 20.2499, 18.1163

Protanomaly

17.6323, 20.0434, 17.1268

Deuteranomaly

18.3567, 19.8185, 18.4806

Tritanomaly

16.8748, 20.0916, 23.7576

Monochromacy



Original Color

15.7710, 20.2499, 18.1163

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.7904, 18.9913, 19.3037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7710, 20.2499, 18.1163 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(93, 133, 111)` looks like.

```
.text, #text, p{  
    color:rgb(93, 133, 111)  
}
```

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(93, 133, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 133, 111) }
```

Border

The CSS property to change the border of an element to XYZ 15.7710, 20.2499, 18.1163 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(93, 133, 111) }
```


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

```
.border{ border-color:rgb(93, 133, 111) }
```

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

Here you see how a box with a 4 pixel rgb(93, 133, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 133, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 133, 111);  
box-shadow:4px 4px 4px 4px rgb(93, 133,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7710, 20.2499, 18.1163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 133, 111) }
```

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

```
.background{ background-color: rgb(93, 133,  
111) }
```

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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