

Converting Colors

XYZ(15.4563, 19.4166, 21.6144)

Have a look what the booklet for
XYZ(15.4563, 19.4166, 21.6144)
contains.

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Color

**XYZ(15.4883, 19.4216,
21.6713)**

Conversions

Conversions Part 1

Format	Color
Hex	57827B
RGB	87, 130, 123
RGB Percent	34%, 51%, 48%
CMY	0.6588, 0.4902, 0.5176
CMYK	0.33, 0.00, 0.05, 0.49
HSL	170°, 20%, 43%
HSV	170°, 33%, 51%
XYZ	15.4883, 19.4216, 21.6713
YIQ	116.3450, -23.3810, -11.2930

Conversions

Conversions Part 2

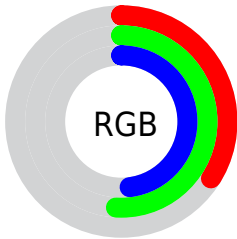
Format	Color
R_{YB}	87, 110, 130
Decimal	5735035
CIE _{Lab}	51.18, -16.45, -0.95
CIE _{LCh}	51, 16.481, 183.304
Yxy	19.4216, 0.2737, 0.3433
Android (android.graphics.Color)	4283925115 (0xFF57827B)
YUV	116.3450, 3.2809, -25.7356
Hunter-Lab	44.0699, -14.3889, 1.6932

Details

The XYZ color **15.4883, 19.4216, 21.6713** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.6352, 12.3710, 12.2070**, and the grayscale version is **16.7022, 17.5720, 19.1360**.

A 20% lighter version of the original color is **35.1526, 42.3654, 46.8820**, and **4.9040, 6.6438, 7.5025** is the 20% darker color. If you saturate the color by 10%, you get **14.2512, 18.7995, 20.9295**, and if you desaturate by 10%, it is **16.9480, 20.1591, 22.4393**.

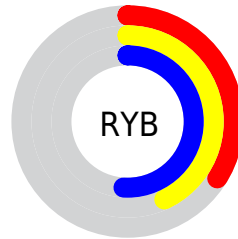
Distribution



Red (34%)

Green (51%)

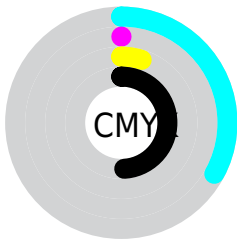
Blue (48%)



Red (34%)

Yellow (43%)

Blue (51%)

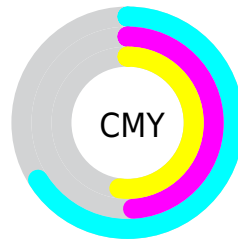


Cyan (33%)

Magenta (0%)

Yellow (5%)

Black (49%)



Cyan (66%)

Magenta (49%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4883, 19.4216, 21.6713 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 15.4883, 19.4216, 21.6713 by changing the saturation by 10% instead.

■ 15.4883, 19.4216,
21.6713

■ 15.4883, 19.4216,
21.6713

219.6333,
248.7664, 273.7222

■ 9.2513, 11.9753,
13.4196

■ 35.2722, 42.4453,
47.0973

■ 4.9639, 6.7269,
7.5840

■ 49.5499, 58.7915,
65.1087

■ 2.2606, 3.2919,
3.7460

■ 67.2385, 78.8731,
87.2104

■ 0.7744, 1.2859,
1.4871

■ 88.7034, 103.0746,
113.8209

■ 0.0000, 0.1303,
0.2083

■ 114.3100,
131.7802, 145.3588

■ 0.0000, 0.0000,
0.0000

144.4236,

165.3745, 182.2426

179.4096,
204.2418, 224.8909

■ 15.4883, 19.4216,
21.6713

■ 15.4883, 19.4216,
21.6713

■ 14.2512, 18.7995,
20.9295

■ 16.9480, 20.1591,
22.4393

■ 13.2234, 18.2844,
20.2119

■ 18.6394, 21.0153,
23.2329

■ 12.3923, 17.8705,
19.5183

■ 20.5734, 21.9961,
24.0529

■ 11.7439, 17.5504,
18.8479

■ 22.7595, 23.1066,
24.8999

■ 11.2618, 17.3157,
18.1999

■ 25.2067, 24.3514,
25.7745

■ 10.9265, 17.1564,
17.5733

■ 27.9235, 25.7348,
26.6772

■ 10.7344, 17.0665,
17.1498

■ 30.9183, 27.2611,
27.6083

■ 34.1987, 28.9344,
28.5684

■ 37.7724, 30.7585,
29.5579

Harmonies

Analogous

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



15.7844, 19.4216, 17.3450



15.4883, 19.4216, 21.6713



15.9486, 19.4216, 26.5007

Triad

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



15.4883, 19.4216, 21.6713



20.2450, 19.4216, 29.6242



19.9122, 19.4216, 14.0638

Complementary

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



15.4883, 19.4216, 21.6713



14.6352, 12.3710, 12.2070

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.



21.2213, 19.4216, 16.5674



15.4883, 19.4216, 21.6713



21.4213, 19.4216, 25.4672

Square

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



15.4883, 19.4216, 21.6713



18.6419, 19.4216, 31.4998



21.7886, 19.4216, 20.6309



18.2786, 19.4216, 13.3543

Rectangle

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



15.4883, 19.4216, 21.6713



16.6394, 19.4216, 29.2421



21.7886, 19.4216, 20.6309



20.4080, 19.4216, 14.7032

Sweetspot

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



15.4889, 19.4224, 21.6717



33.7506, 37.4776, 41.3200



14.3368, 19.0427, 11.9372



7.5523, 8.4388, 9.3147



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.



15.4889, 19.4224, 21.6717



25.5374, 33.3276, 37.1369



14.1674, 16.0527, 23.4718



4.4173, 4.8752, 5.3687



10.2943, 16.3643, 16.4542



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.6352, 12.3710, 12.2070



23.7855, 18.8298, 17.6931



15.6130, 14.8068, 11.0524



4.3541, 4.3548, 4.6694



8.9602, 4.6038, 1.1142



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.4883, 19.4216, 21.6713 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 15.4883, 19.4216, 21.6713 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 15.4883, 19.4216, 21.6713

Background



This preview shows how black text looks on a background with the XYZ color 15.4883, 19.4216, 21.6713.



This preview shows how white text looks on a background with the XYZ color 15.4883, 19.4216,

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

15.4883, 19.4216, 21.6713

Protanopia

18.4196, 19.2678, 19.8878

Deuteranopia

19.6044, 19.2885, 22.4285



Tritanopia

16.6210, 19.4975, 26.9321

Trichromacy



Original Color

15.4883, 19.4216, 21.6713

Protanomaly

17.1534, 19.1509, 20.5617

Deuteranomaly

17.7314, 19.0446, 22.1435

Tritanomaly

16.3003, 19.5676, 25.1081

Monochromacy



Original Color

15.4883, 19.4216, 21.6713

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.9928, 18.0099, 20.0861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4883, 19.4216, 21.6713 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(87, 130, 123)` looks like.

```
.text, #text, p{  
    color:rgb(87, 130, 123)  
}
```

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(87, 130, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 130, 123) }
```

Border

The CSS property to change the border of an element to XYZ 15.4883, 19.4216, 21.6713 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(87, 130, 123) }
```


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

```
.border{ border-color:rgb(87, 130, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 130, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 130, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 130, 123);  
box-shadow:4px 4px 4px 4px rgb(87, 130,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4883, 19.4216, 21.6713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 130, 123) }
```

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

```
.background{ background-color: rgb(87, 130,  
123) }
```

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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