

Converting Colors

XYZ(17.1686, 19.8688, 34.4173)

Have a look what the booklet for
XYZ(17.1686, 19.8688, 34.4173)
contains.

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Color

**XYZ(17.1593, 19.8063,
34.3711)**

Conversions

Conversions Part 1

Format	Color
Hex	50819C
RGB	80, 129, 156
RGB Percent	31%, 51%, 61%
CMY	0.6863, 0.4941, 0.3882
CMYK	0.49, 0.17, 0.00, 0.39
HSL	201°, 32%, 46%
HSV	201°, 49%, 61%
XYZ	17.1593, 19.8063, 34.3711
YIQ	117.4270, -37.8710, -1.9910

Conversions

Conversions Part 2

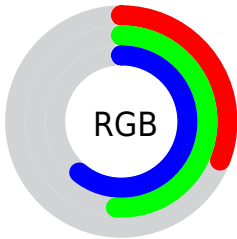
Format	Color
R_{YB}	80, 110, 156
Decimal	5276060
CIE _{Lab}	51.62, -8.86, -19.60
CIE _{LCh}	52, 21.508, 245.660
Yxy	19.8063, 0.2405, 0.2776
Android (android.graphics.Color)	4283466140 (0xFF50819C)
YUV	117.4270, 19.0165, -32.8235
Hunter-Lab	44.5043, -9.0591, -14.6373

Details

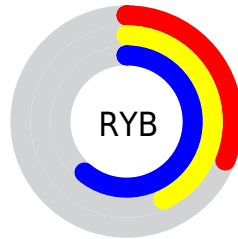
The XYZ color **17.1593, 19.8063, 34.3711** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **20.4165, 18.1631, 10.0199**, and the grayscale version is **16.9928, 17.8778, 19.4689**.

A 20% lighter version of the original color is **38.1587, 43.1456, 67.9448**, and **5.7952, 6.9514, 14.4009** is the 20% darker color. If you saturate the color by 10%, you get **15.2817, 17.7842, 34.0801**, and if you desaturate by 10%, it is **19.3836, 22.0667, 34.6905**.

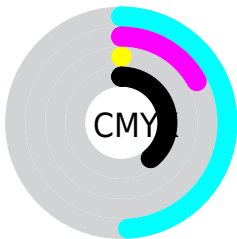
Distribution



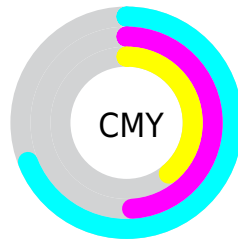
- Red (31%)
- Green (51%)
- Blue (61%)



- Red (31%)
- Yellow (43%)
- Blue (61%)



- Cyan (49%)
- Magenta (17%)
- Yellow (0%)
- Black (39%)



- Cyan (69%)
- Magenta (49%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1593, 19.8063, 34.3711 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 17.1593, 19.8063, 34.3711 by changing the saturation by 10% instead.

■ 17.1593, 19.8063,
34.3711

■ 17.1593, 19.8063,
34.3711

229.2271,
250.8646, 336.6031

■ 10.4441, 12.2543,
22.8992

■ 38.1409, 43.0922,
67.6508

■ 5.7589, 6.9171,
14.3145

■ 53.1380, 59.5949,
90.2957

■ 2.7383, 3.4103,
8.1985

■ 71.6265, 79.8500,
117.5020

■ 1.0169, 1.3495,
4.1326

■ 93.9718, 104.2418,
149.6882

■ 0.0000, 0.1791,
1.6984

■ 120.5391,
133.1548, 187.2728

■ 0.0000, 0.0000,
0.3596

151.6938,

■ 0.0000, 0.0000,

166.9733, 230.6745

0.0000

187.8014,
206.0818, 280.3118

■ 17.1593, 19.8063,
34.3711

■ 17.1593, 19.8063,
34.3711

■ 15.2817, 17.7842,
34.0801

■ 19.3836, 22.0667,
34.6905

■ 13.7268, 15.9860,
33.8150

■ 21.9728, 24.5745,
35.0381

■ 12.4703, 14.3985,
33.5748

■ 24.9457, 27.3407,
35.4154

■ 11.4833, 13.0059,
33.3580

■ 28.3197, 30.3750,
35.8232

■ 10.7080, 11.7774,
33.1617

■ 32.1106, 33.6866,
36.2626

■ 10.6138, 11.6263,
33.1376

■ 36.3336, 37.2841,
36.7344

■ 41.0029, 41.1755,
37.2394

■ 46.1324, 45.3689,
37.7785

■ 51.7348, 49.8716,
38.3523

Harmonies

Analogous

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



15.6381, 19.8063, 29.2992



17.1593, 19.8063, 34.3711



19.2393, 19.8063, 35.7575

Triad

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



17.1593, 19.8063, 34.3711



23.2847, 19.8063, 20.4098



16.4987, 19.8063, 13.2489

Complementary

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



17.1593, 19.8063, 34.3711



20.4165, 18.1631, 10.0199

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.



18.4172, 19.8063, 11.7352



17.1593, 19.8063, 34.3711



22.4186, 19.8063, 15.3289

Square

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



17.1593, 19.8063, 34.3711



22.8836, 19.8063, 26.8686



20.5958, 19.8063, 12.4163



15.2776, 19.8063, 17.0109

Rectangle

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



17.1593, 19.8063, 34.3711



20.6883, 19.8063, 34.2128



20.5958, 19.8063, 12.4163



17.0776, 19.8063, 12.4969

Sweetspot

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



17.1599, 19.8070, 34.3716



47.3198, 51.4866, 64.5706



17.8302, 26.5360, 17.9828



10.1576, 11.0983, 14.1772



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.1599, 19.8070, 34.3716



27.6217, 32.1515, 61.8768



13.0851, 11.6573, 33.0133



6.6234, 7.1126, 8.4305



8.7759, 9.6434, 27.3060



0.1954, 0.2495, 0.5011

Inverse Universe

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



20.5420, 14.3909, 22.4647



34.7227, 22.0494, 36.5923



25.2231, 27.7764, 11.6221



6.8040, 6.7145, 7.8190



13.2279, 6.5957, 10.7169



0.2560, 0.1257, 0.2940

Previews

White Background



This preview shows how the XYZ color 17.1593, 19.8063, 34.3711 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 17.1593, 19.8063, 34.3711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

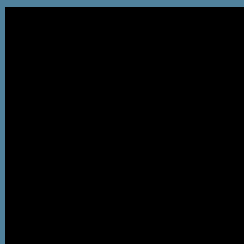
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

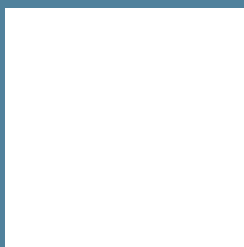
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.1593, 19.8063, 34.3711

Background



This preview shows how black text looks on a background with the XYZ color 17.1593, 19.8063, 34.3711.



This preview shows how white text looks on a background with the XYZ color 17.1593, 19.8063,

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

17.1593, 19.8063, 34.3711

Protanopia

19.6257, 19.6221, 32.0312

Deuteranopia

20.0905, 19.6146, 35.0749



Tritanopia

15.9793, 19.7221, 28.5557

Trichromacy



Original Color

17.1593, 19.8063, 34.3711

Protanomaly

18.5509, 19.5988, 32.9422

Deuteranomaly

18.7623, 19.4838, 34.6702

Tritanomaly

16.3097, 19.6496, 30.5369

Monochromacy



Original Color

17.1593, 19.8063, 34.3711

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.6430, 18.2565, 24.1194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1593, 19.8063, 34.3711 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, 129, 156)` looks like.

```
.text, #text, p{  
    color:rgb(80, 129, 156)  
}
```

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, 129, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 129, 156) }
```

Border

The CSS property to change the border of an element to XYZ 17.1593, 19.8063, 34.3711 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, 129, 156) }
```


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

```
.border{ border-color:rgb(80, 129, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 129, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 129, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 129, 156);  
box-shadow:4px 4px 4px 4px rgb(80, 129,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1593, 19.8063, 34.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 129, 156) }
```

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

```
.background{ background-color: rgb(80, 129,  
156) }
```

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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