

Converting Colors

XYZ(18.5338, 19.7956, 56.8777)

Have a look what the booklet for
XYZ(18.5338, 19.7956, 56.8777)
contains.

XYZ(18.5634, 19.8379, 56.8835)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.5634, 19.8379,
56.8835)**

Conversions

Conversions Part 1

Format	Color
Hex	1E80C7
RGB	30, 128, 199
RGB Percent	12%, 50%, 78%
CMY	0.8823, 0.4980, 0.2196
CMYK	0.85, 0.36, 0.00, 0.22
HSL	205°, 74%, 45%
HSV	205°, 85%, 78%
XYZ	18.5634, 19.8379, 56.8835
YIQ	106.7920, -81.1990, 1.3050

Conversions

Conversions Part 2

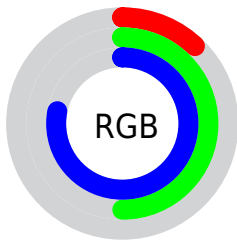
Format	Color
R_{YB}	30, 92, 199
Decimal	1999047
CIE _{Lab}	51.65, -1.51, -44.44
CIE _{LCh}	52, 44.461, 268.050
Yxy	19.8379, 0.1948, 0.2082
Android (android.graphics.Color)	4280189127 (0xFF1E80C7)
YUV	106.7920, 45.4585, -67.3466
Hunter-Lab	44.5398, -3.5489, -44.5438

Details

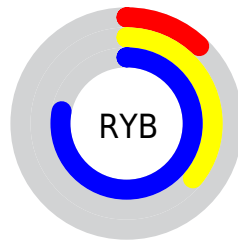
The XYZ color **18.5634, 19.8379, 56.8835** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **28.4434, 21.5469, 3.8894**, and the grayscale version is **13.8138, 14.5331, 15.8266**.

A 20% lighter version of the original color is **40.1970, 42.8658, 100.7631**, and **7.9068, 7.6363, 27.8453** is the 20% darker color. If you saturate the color by 10%, you get **17.1088, 17.5354, 56.5162**, and if you desaturate by 10%, it is **20.4756, 22.5102, 57.2990**.

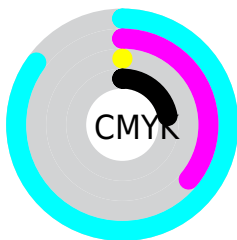
Distribution



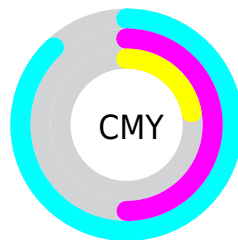
- Red (12%)
- Green (50%)
- Blue (78%)



- Red (12%)
- Yellow (36%)
- Blue (78%)



- Cyan (85%)
- Magenta (36%)
- Yellow (0%)
- Black (22%)



- Cyan (88%)
- Magenta (50%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5634, 19.8379, 56.8835 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 18.5634, 19.8379, 56.8835 by changing the saturation by 10% instead.

■ 18.5634, 19.8379,
56.8835

■ 18.5634, 19.8379,
56.8835

237.0124,
251.0362, 430.4941

■ 11.4574, 12.2773,
40.5030

■ 40.5176, 43.1452,
101.7938

■ 6.4449, 6.9328,
27.6142

■ 56.0965, 59.6607,
131.1607

■ 3.1607, 3.4201,
17.7985

■ 75.2304, 79.9300,
165.6935

■ 1.2393, 1.3548,
10.6375

■ 98.2847, 104.3374,
205.8106

■ 0.1371, 0.1830,
5.7125

■ 125.6247,
133.2673, 251.9307

■ 0.0000, 0.0000,
2.6051

157.6157,

■ 0.0000, 0.0000,

167.1042, 304.4723

0.8951

194.6232,
206.2323, 363.8539

■ 0.0000, 0.0000,
0.0000

■ 18.5634, 19.8379,
56.8835

■ 18.5634, 19.8379,
56.8835

■ 17.1088, 17.5354,
56.5162

■ 20.4756, 22.5102,
57.2990

■ 16.4840, 16.4739,
56.3442

■ 22.9048, 25.5854,
57.7645

■ 25.9032, 29.0934,
58.2836

■ 29.5149, 33.0601,
58.8589

■ 33.7798, 37.5087,
59.4927

■ 38.7338, 42.4605,
60.1874

■ 44.4103, 47.9353,
60.9450

■ 50.8402, 53.9517,
61.7674

■ 58.0526, 60.5273,
62.6565

Harmonies

Analogous

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



14.6498, 19.8379, 50.0672



18.5634, 19.8379, 56.8835



23.2086, 19.8379, 51.5536

Triad

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



18.5634, 19.8379, 56.8835



27.5368, 19.8379, 11.9427



12.4433, 19.8379, 10.9887

Complementary

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



18.5634, 19.8379, 56.8835



28.4434, 21.5469, 3.8894

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.



15.0836, 19.8379, 6.3123



18.5634, 19.8379, 56.8835



23.7973, 19.8379, 6.6897

Square

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



18.5634, 19.8379, 56.8835



28.8549, 19.8379, 22.4515



19.1503, 19.8379, 5.1244



11.4826, 19.8379, 20.7705

Rectangle

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



18.5634, 19.8379, 56.8835



26.0244, 19.8379, 42.6758



19.1503, 19.8379, 5.1244



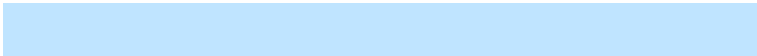
13.1409, 19.8379, 8.9386

Sweetspot

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



18.5642, 19.8385, 56.8840



67.4013, 73.9339, 105.3260



23.2806, 42.0519, 19.0552



13.7387, 15.1443, 22.4490



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



18.5642, 19.8385, 56.8840



28.6179, 28.3557, 98.5726



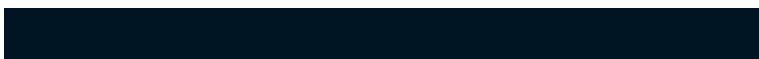
11.7493, 6.2087, 54.6124



10.5589, 11.2918, 13.5405



10.6878, 10.7694, 36.2598



0.5766, 0.6509, 1.7404

Inverse Universe

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



27.9145, 14.6302, 21.7752



46.5742, 23.3937, 30.0194



41.1199, 46.9000, 8.1149



10.8874, 10.7383, 12.3902



17.1940, 8.6272, 11.4975



0.8497, 0.4227, 0.7318

Previews

White Background



This preview shows how the XYZ color 18.5634, 19.8379, 56.8835 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 18.5634, 19.8379, 56.8835 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 18.5634, 19.8379, 56.8835

Background



This preview shows how black text looks on a background with the XYZ color 18.5634, 19.8379, 56.8835.

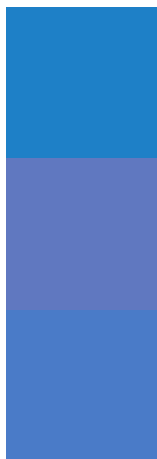


This preview shows how white text looks on a background with the XYZ color 18.5634, 19.8379,

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

18.5634, 19.8379, 56.8835

Protanopia

21.0548, 19.7255, 52.5669

Deuteranopia

20.3323, 19.7919, 57.3922



Tritanopia

13.9925, 19.6836, 30.2560

Trichromacy



Original Color

18.5634, 19.8379, 56.8835

Protanomaly

19.6058, 19.4838, 54.3572

Deuteranomaly

19.5039, 19.7369, 57.4252

Tritanomaly

15.3171, 19.5628, 38.5660

Monochromacy



Original Color

18.5634, 19.8379, 56.8835

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.0888, 15.8172, 27.1214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5634, 19.8379, 56.8835 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(30, 128, 199)` looks like.

```
.text, #text, p{  
    color:rgb(30, 128, 199)  
}
```

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(30, 128, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 128, 199) }
```

Border

The CSS property to change the border of an element to XYZ 18.5634, 19.8379, 56.8835 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(30, 128, 199) }
```


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

```
.border{ border-color:rgb(30, 128, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 128, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 128, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 128, 199);  
box-shadow:4px 4px 4px 4px rgb(30, 128,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5634, 19.8379, 56.8835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 128, 199) }
```

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

```
.background{ background-color: rgb(30, 128,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor