

Converting Colors

XYZ(16.5804, 19.9970, 58.6749)

Have a look what the booklet for
XYZ(16.5804, 19.9970, 58.6749)
contains.

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Color

**XYZ(19.1858, 21.3145,
58.9800)**

Conversions

Conversions Part 1

Format	Color
Hex	0086CA
RGB	0, 134, 202
RGB Percent	0%, 53%, 79%
CMY	0.9998, 0.4745, 0.2078
CMYK	1.00, 0.34, 0.00, 0.21
HSL	200°, 100%, 40%
HSV	200°, 100%, 79%
XYZ	19.1858, 21.3145, 58.9800
YIQ	101.6860, -101.6920, -7.2600

Conversions

Conversions Part 2

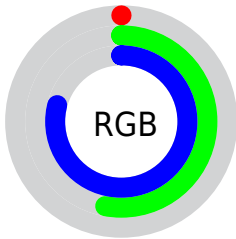
Format	Color
R _Y B	0, 81, 202
Decimal	34506
CIE Lab	53.29, -5.37, -43.57
CIE LCh	53, 43.895, 262.974
Yxy	21.3145, 0.1929, 0.2143
Android (android.graphics.Color)	4278224586 (0xFF0086CA)
YUV	101.6860, 49.4548, -89.1786
Hunter-Lab	46.1676, -6.6144, -43.4267

Details

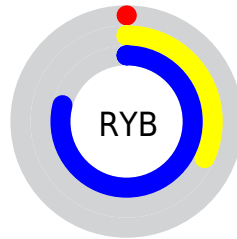
The XYZ color **19.1858, 21.3145, 58.9800** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **26.4275, 16.6966, 1.8312**, and the grayscale version is **12.4457, 13.0939, 14.2592**.

A 20% lighter version of the original color is **40.8573, 45.3573, 101.2092**, and **8.5150, 8.6036, 28.8156** is the 20% darker color. If you saturate the color by 10%, you get **19.1839, 21.3105, 58.9798**, and if you desaturate by 10%, it is **20.4501, 23.4073, 59.3178**.

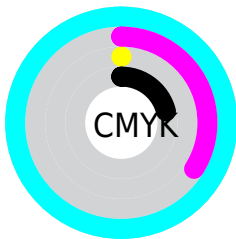
Distribution



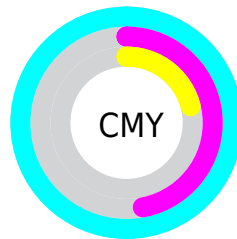
- Red (0%)
- Green (53%)
- Blue (79%)



- Red (0%)
- Yellow (32%)
- Blue (79%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (47%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1858, 21.3145, 58.9800 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 19.1858, 21.3145, 58.9800 by changing the saturation by 10% instead.

■ 19.1858, 21.3145,
58.9800

■ 19.1858, 21.3145,
58.9800

240.3910,
258.9452, 438.5276

■ 11.9094, 13.3541,
42.1771

■ 41.5623, 45.6104,
104.8774

■ 6.7538, 7.6728,
28.9134

■ 57.3931, 62.7146,
134.8091

■ 3.3536, 3.8863,
18.7703

■ 76.8060, 83.6356,
169.9540

■ 1.3434, 1.6102,
11.3293

■ 100.1665,
108.7577, 210.7308

■ 0.2153, 0.3644,
6.1718

■ 127.8399,
138.4653, 257.5581

■ 0.0000, 0.0000,
2.8794

160.1916,

■ 0.0000, 0.0000,

173.1428, 310.8542

1.0334

197.5868,
213.1747, 371.0379

■ 0.0000, 0.0000,
0.0000

■ 19.1858, 21.3145,
58.9800

■ 19.1858, 21.3145,
58.9800

■ 19.1839, 21.3105,
58.9798

■ 20.4501, 23.4073,
59.3178

■ 22.0813, 25.7803,
59.6899

■ 24.1863, 28.4907,
60.1021

■ 26.8222, 31.5692,
60.5573

■ 30.0372, 35.0423,
61.0583

■ 33.8737, 38.9334,
61.6071

■ 38.3701, 43.2635,
62.2059

■ 43.5612, 48.0522,
62.8566

■ 49.4795, 53.3175,
63.5610

Harmonies

Analogous

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



15.3421, 21.3145, 50.2070



19.1858, 21.3145, 58.9800



23.9490, 21.3145, 55.6247

Triad

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



19.1858, 21.3145, 58.9800



29.6453, 21.3145, 14.5867



13.9317, 21.3145, 10.9606

Complementary

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



19.1858, 21.3145, 58.9800



26.4275, 16.6966, 1.8312

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.



16.9686, 21.3145, 6.7247



19.1858, 21.3145, 58.9800



26.1275, 21.3145, 8.1900

Square

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



19.1858, 21.3145, 58.9800



30.4797, 21.3145, 26.4795



21.3711, 21.3145, 5.9520



12.6240, 21.3145, 20.2175

Rectangle

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



19.1858, 21.3145, 58.9800



26.9779, 21.3145, 47.4065



21.3711, 21.3145, 5.9520



14.7597, 21.3145, 9.0720

Sweetspot

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



19.1866, 21.3152, 58.9806



64.6113, 72.9168, 105.2767



22.1454, 42.6513, 12.4331



13.1076, 14.9196, 22.4389



0.0000, 0.0000, 0.0000



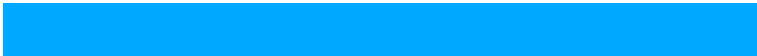
20.3446, 21.4041, 23.3091

Same Dimension

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



19.1866, 21.3152, 58.9806



32.2639, 35.6479, 99.7880



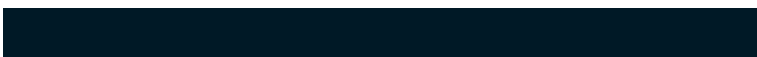
11.2250, 5.3919, 56.3267



11.2127, 12.0659, 14.3084



12.4296, 13.8831, 37.9809



0.7095, 0.8528, 1.9821

Inverse Universe

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



28.6610, 14.2789, 23.8003



48.4145, 24.1298, 39.7106



38.4234, 40.6884, 5.8299



11.5207, 11.3370, 13.2768



18.4848, 9.2045, 15.5373



0.9881, 0.4886, 0.9831

Previews

White Background



This preview shows how the XYZ color 19.1858, 21.3145, 58.9800 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 19.1858, 21.3145, 58.9800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

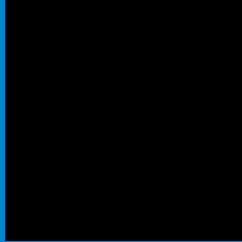
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.1858, 21.3145, 58.9800

Background



This preview shows how black text looks on a background with the XYZ color 19.1858, 21.3145, 58.9800.

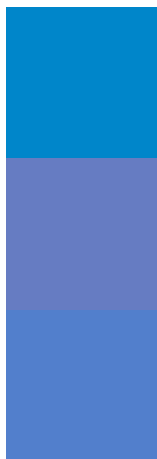


This preview shows how white text looks on a background with the XYZ color 19.1858, 21.3145,

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

19.1858, 21.3145, 58.9800

Protanopia

22.4247, 21.1351, 53.9365

Deuteranopia

21.9681, 21.3322, 60.0864



Tritanopia

15.1108, 21.2841, 32.5900

Trichromacy



Original Color

19.1858, 21.3145, 58.9800

Protanomaly

19.9772, 20.5934, 55.7453

Deuteranomaly

20.1783, 21.0071, 59.4912

Tritanomaly

16.3442, 21.0792, 41.2375

Monochromacy



Original Color

19.1858, 21.3145, 58.9800

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.7847, 14.9934, 26.2649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1858, 21.3145, 58.9800 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(0, 134, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 202)  
}
```

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(0, 134, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 202) }
```

Border

The CSS property to change the border of an element to XYZ 19.1858, 21.3145, 58.9800 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(0, 134, 202) }
```


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

```
.border{ border-color:rgb(0, 134, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1858, 21.3145, 58.9800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 202) }
```

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

```
.background{ background-color: rgb(0, 134,  
202) }
```

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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