

Converting Colors

XYZ(19.2806, 21.6081, 58.6909)

Have a look what the booklet for
XYZ(19.2806, 21.6081, 58.6909)
contains.

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Color

**XYZ(19.2066, 21.5450,
58.4046)**

Conversions

Conversions Part 1

Format	Color
Hex	0087C9
RGB	0, 135, 201
RGB Percent	0%, 53%, 79%
CMY	0.9998, 0.4706, 0.2118
CMYK	1.00, 0.33, 0.00, 0.21
HSL	200°, 100%, 39%
HSV	200°, 100%, 79%
XYZ	19.2066, 21.5450, 58.4046
YIQ	102.1590, -101.6460, -8.0940

Conversions

Conversions Part 2

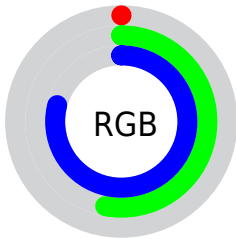
Format	Color
RYB	0, 81, 201
Decimal	34761
CIELab	53.54, -6.34, -42.60
CIELCh	54, 43.073, 261.541
Yxy	21.5450, 0.1937, 0.2173
Android (android.graphics.Color)	4278224841 (0xFF0087C9)
YUV	102.1590, 48.7286, -89.5934
Hunter-Lab	46.4166, -7.3680, -42.1112

Details

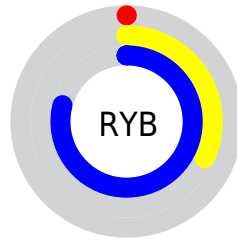
The XYZ color **19.2066, 21.5450, 58.4046** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **26.0387, 16.3195, 1.7789**, and the grayscale version is **12.5704, 13.2250, 14.4020**.

A 20% lighter version of the original color is **41.0702, 45.7831, 101.2801**, and **8.5942, 8.7622, 28.8421** is the 20% darker color. If you saturate the color by 10%, you get **19.2047, 21.5412, 58.4044**, and if you desaturate by 10%, it is **20.4482, 23.5953, 58.7354**.

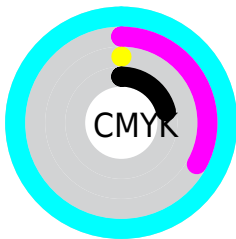
Distribution



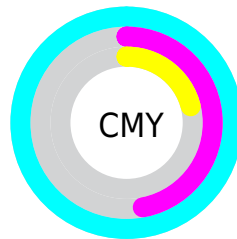
- Red (0%)
- Green (53%)
- Blue (79%)



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



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (21%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2066, 21.5450, 58.4046 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 19.2066, 21.5450, 58.4046 by changing the saturation by 10% instead.

■ 19.2066, 21.5450,
58.4046

■ 19.2066, 21.5450,
58.4046

■ 240.5032,
260.1609, 436.3322

■ 11.9245, 13.5230,
41.7172

■ 41.5971, 45.9928,
104.0324

■ 6.7642, 7.7896,
28.5560

■ 57.4362, 63.1874,
133.8099

■ 3.3601, 3.9606,
18.5025

■ 76.8585, 84.2083,
168.7877

■ 1.3469, 1.6516,
11.1382

■ 100.2291,
109.4398, 209.3845

■ 0.2179, 0.3920,
6.0445

■ 127.9136,
139.2665, 256.0188

■ 0.0000, 0.0000,
2.8029

■ 160.2772,

■ 0.0000, 0.0000,

174.0726, 309.1092

0.9949

197.6853,
214.2426, 369.0741

■ 0.0000, 0.0000,
0.0000

■ 19.2066, 21.5450,
58.4046

■ 19.2066, 21.5450,
58.4046

■ 19.2047, 21.5412,
58.4044

■ 20.4482, 23.5953,
58.7354

■ 22.0493, 25.9171,
59.0991

■ 24.1162, 28.5666,
59.5016

■ 26.7049, 31.5743,
59.9457

■ 29.8631, 34.9661,
60.4339

■ 33.6326, 38.7649,
60.9685

■ 38.0511, 42.9914,
61.5514

■ 43.1530, 47.6648,
62.1846

■ 48.9704, 52.8027,
62.8697

Harmonies

Analogous

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



15.4635, 21.5450, 49.3478



19.2066, 21.5450, 58.4046



23.8933, 21.5450, 55.7085

Triad

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



19.2066, 21.5450, 58.4046



29.8355, 21.5450, 15.3465



14.3138, 21.5450, 10.9862

Complementary

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



19.2066, 21.5450, 58.4046



26.0387, 16.3195, 1.7789

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.



17.4045, 21.5450, 6.9252



19.2066, 21.5450, 58.4046



26.4737, 21.5450, 8.7083

Square

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



19.2066, 21.5450, 58.4046



30.5096, 21.5450, 27.3777



21.8040, 21.5450, 6.2850



12.9283, 21.5450, 19.9330

Rectangle

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



19.2066, 21.5450, 58.4046



26.9078, 21.5450, 47.9263



21.8040, 21.5450, 6.2850



15.1638, 21.5450, 9.1678

Sweetspot

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



19.2074, 21.5457, 58.4052



64.7871, 73.2684, 105.3353



21.8038, 42.1405, 11.7879



13.1496, 15.0037, 22.4529



0.0000, 0.0000, 0.0000



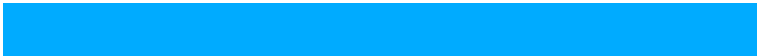
20.3446, 21.4041, 23.3091

Same Dimension

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



19.2074, 21.5457, 58.4052



32.6603, 36.4406, 99.9201



11.2014, 5.5335, 55.7365



10.6418, 11.4577, 13.5682



12.1617, 13.7173, 36.7511



0.6400, 0.7778, 1.7615

Inverse Universe

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



28.4613, 14.1679, 24.1568



48.6146, 24.2098, 40.7641



37.3918, 39.0256, 5.5633



10.9292, 10.7551, 12.6106



17.9380, 8.9248, 15.4152



0.8817, 0.4355, 0.9004

Previews

White Background



This preview shows how the XYZ color 19.2066, 21.5450, 58.4046 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 19.2066, 21.5450, 58.4046 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 19.2066, 21.5450, 58.4046

Background



This preview shows how black text looks on a background with the XYZ color 19.2066, 21.5450, 58.4046.

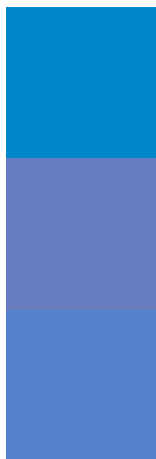


This preview shows how white text looks on a background with the XYZ color 19.2066, 21.5450,

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

19.2066, 21.5450, 58.4046

Protanopia

22.5570, 21.4161, 52.8140

Deuteranopia

22.2450, 21.6814, 59.5124



Tritanopia

15.3405, 21.6130, 33.0690

Trichromacy



Original Color

19.2066, 21.5450, 58.4046

Protanomaly

19.9474, 20.7989, 54.5930

Deuteranomaly

20.2983, 21.2811, 58.9150

Tritanomaly

16.4883, 21.3675, 41.2855

Monochromacy



Original Color

19.2066, 21.5450, 58.4046

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 19.2066, 21.5450, 58.4046 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, 135, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 201)  
}
```

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, 135, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 201) }
```

Border

The CSS property to change the border of an element to XYZ 19.2066, 21.5450, 58.4046 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, 135, 201) }
```


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

```
.border{ border-color:rgb(0, 135, 201) }
```

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

Here you see how a box with a 4 pixel rgb(0, 135, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2066, 21.5450, 58.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 201) }
```

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

```
.background{ background-color: rgb(0, 135,  
201) }
```

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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