

Converting Colors

XYZ(9.6072, 16.5120, 55.5995)

Have a look what the booklet for
XYZ(9.6072, 16.5120, 55.5995)
contains.

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Color

**XYZ(18.6031, 21.0814,
55.9120)**

Conversions

Conversions Part 1

Format	Color
Hex	0086C5
RGB	0, 134, 197
RGB Percent	0%, 53%, 77%
CMY	0.9999, 0.4745, 0.2274
CMYK	1.00, 0.32, 0.00, 0.23
HSL	199°, 100%, 39%
HSV	199°, 100%, 77%
XYZ	18.6031, 21.0814, 55.9120
YIQ	101.1160, -100.0870, -8.8150

Conversions

Conversions Part 2

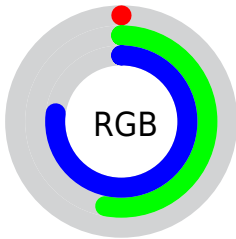
Format	Color
RYB	0, 80, 197
Decimal	34501
CIELab	53.04, -7.28, -41.12
CIELCh	53, 41.764, 259.967
Yxy	21.0814, 0.1946, 0.2205
Android (android.graphics.Color)	4278224581 (0xFF0086C5)
YUV	101.1160, 47.2708, -88.6787
Hunter-Lab	45.9145, -8.0278, -40.0598

Details

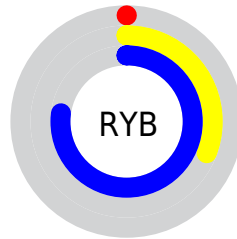
The XYZ color **18.6031, 21.0814, 55.9120** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **24.8060, 15.4297, 1.6719**, and the grayscale version is **12.3031, 12.9438, 14.0958**.

A 20% lighter version of the original color is **40.5895, 45.2378, 100.3584**, and **8.2064, 8.4802, 27.1909** is the 20% darker color. If you saturate the color by 10%, you get **18.6017, 21.0785, 55.9120**, and if you desaturate by 10%, it is **19.7837, 23.0220, 56.2248**.

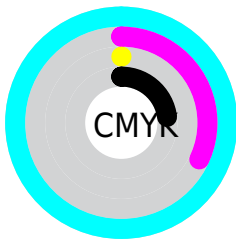
Distribution



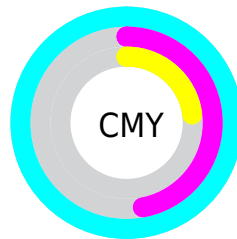
- Red (0%)
- Green (53%)
- Blue (77%)



- Red (0%)
- Yellow (31%)
- Blue (77%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (47%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6031, 21.0814, 55.9120 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 18.6031, 21.0814, 55.9120 by changing the saturation by 10% instead.

■ 18.6031, 21.0814,
55.9120

■ 18.6031, 21.0814,
55.9120

237.2292,
257.7108, 426.7388

■ 11.4861, 13.1835,
39.7289

■ 40.5844, 45.2230,
100.3604

■ 6.4645, 7.5550,
27.0150

■ 56.1795, 62.2354,
129.4628

■ 3.1729, 3.8116,
17.3520

■ 75.3313, 83.0549,
163.7086

■ 1.2458, 1.5687,
10.3211

■ 98.4053, 108.0657,
203.5164

■ 0.1421, 0.3364,
5.5040

■ 125.7667,
137.6523, 249.3048

■ 0.0000, 0.0000,
2.4821

■ 157.7809,

■ 0.0000, 0.0000,

172.1991, 301.4923

0.8306

194.8133,
212.0905, 360.4974

■ 0.0000, 0.0000,
0.0000

■ 18.6031, 21.0814,
55.9120

■ 18.6031, 21.0814,
55.9120

■ 18.6017, 21.0785,
55.9120

■ 19.7837, 23.0220,
56.2248

■ 21.3037, 25.2156,
56.5681

■ 23.2656, 27.7166,
56.9474

■ 25.7228, 30.5538,
57.3656

■ 28.7202, 33.7516,
57.8248

■ 32.2979, 37.3317,
58.3273

■ 36.4914, 41.3137,
58.8749

■ 41.3336, 45.7156,
59.4693

■ 46.8549, 50.5542,
60.1123

Harmonies

Analogous

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



15.0859, 21.0814, 46.8682



18.6031, 21.0814, 55.9120



23.0583, 21.0814, 53.9746

Triad

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



18.6031, 21.0814, 55.9120



29.0584, 21.0814, 15.6527



14.2470, 21.0814, 10.6565

Complementary

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



18.6031, 21.0814, 55.9120



24.8060, 15.4297, 1.6719

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.



17.2923, 21.0814, 6.9108



18.6031, 21.0814, 55.9120



25.9684, 21.0814, 8.9794

Square

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



18.6031, 21.0814, 55.9120



29.5455, 21.0814, 27.4260



21.5433, 21.0814, 6.4358



12.8251, 21.0814, 18.9968

Rectangle

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



18.6031, 21.0814, 55.9120



25.9594, 21.0814, 46.8972



21.5433, 21.0814, 6.4358



15.0921, 21.0814, 8.9697

Sweetspot

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



18.6039, 21.0821, 55.9125



64.9699, 73.6339, 105.3962



20.8477, 40.2854, 11.2937



13.1933, 15.0912, 22.4675



0.0000, 0.0000, 0.0000



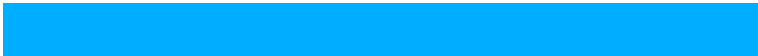
20.3446, 21.4041, 23.3091

Same Dimension

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



18.6039, 21.0821, 55.9125



33.0775, 37.2750, 100.0592



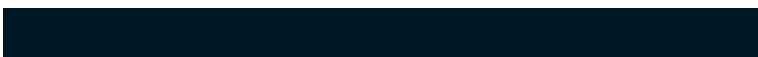
10.7140, 5.3022, 53.2826



10.6496, 11.4733, 13.5708



12.3132, 14.0203, 36.8016



0.6463, 0.7905, 1.7637

Inverse Universe

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



27.3298, 13.5925, 23.7379



48.8252, 24.2941, 41.8731



35.7522, 37.3222, 5.3206



10.9332, 10.7567, 12.6314



18.0145, 8.9554, 15.8179



0.8849, 0.4368, 0.9172

Previews

White Background



This preview shows how the XYZ color 18.6031, 21.0814, 55.9120 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 18.6031, 21.0814, 55.9120 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 18.6031, 21.0814, 55.9120

Background



This preview shows how black text looks on a background with the XYZ color 18.6031, 21.0814, 55.9120.

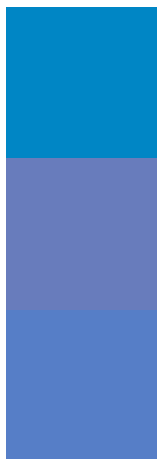


This preview shows how white text looks on a background with the XYZ color 18.6031, 21.0814,

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

18.6031, 21.0814, 55.9120

Protanopia

21.9937, 20.9892, 50.4691

Deuteranopia

21.6074, 21.0237, 56.9520



Tritanopia

14.8831, 20.9582, 32.1151

Trichromacy



Original Color

18.6031, 21.0814, 55.9120

Protanomaly

19.3699, 20.3582, 52.1988

Deuteranomaly

19.6188, 20.5900, 56.3663

Tritanomaly

16.0635, 20.9670, 39.7596

Monochromacy



Original Color

18.6031, 21.0814, 55.9120

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4634, 14.6778, 25.4688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6031, 21.0814, 55.9120 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 197) }
```

Border

The CSS property to change the border of an element to XYZ 18.6031, 21.0814, 55.9120 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, 197) }
```


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

```
.border{ border-color:rgb(0, 134, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6031, 21.0814, 55.9120 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, 197) }
```

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

```
.background{ background-color: rgb(0, 134,  
197) }
```

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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