

Converting Colors

XYZ(8.8065, 13.3274, 68.5830)

Have a look what the booklet for
XYZ(8.8065, 13.3274, 68.5830)
contains.

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Color

**XYZ(19.6144, 18.9810,
68.9596)**

Conversions

Conversions Part 1

Format	Color
Hex	007ADA
RGB	0, 122, 218
RGB Percent	0%, 48%, 85%
CMY	0.9998, 0.5216, 0.1451
CMYK	1.00, 0.44, 0.00, 0.15
HSL	206°, 100%, 43%
HSV	206°, 100%, 85%
XYZ	19.6144, 18.9810, 68.9596
YIQ	96.4660, -103.5280, 3.9920

Conversions

Conversions Part 2

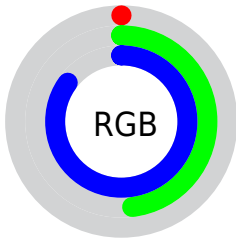
Format	Color
RYB	0, 78, 218
Decimal	31450
CIELab	50.66, 8.12, -56.81
CIELCh	51, 57.393, 278.136
Yxy	18.9810, 0.1824, 0.1765
Android (android.graphics.Color)	4278221530 (0xFF007ADA)
YUV	96.4660, 59.9163, -84.6007
Hunter-Lab	43.5672, 4.1200, -63.3492

Details

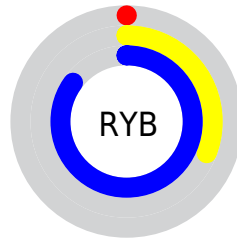
The XYZ color **19.6144, 18.9810, 68.9596** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **33.1016, 23.2809, 2.7505**, and the grayscale version is **11.1122, 11.6909, 12.7314**.

A 20% lighter version of the original color is **38.6655, 40.3169, 100.3518**, and **8.9704, 7.5062, 35.1585** is the 20% darker color. If you saturate the color by 10%, you get **19.6118, 18.9756, 68.9591**, and if you desaturate by 10%, it is **21.1801, 21.6259, 69.3881**.

Distribution



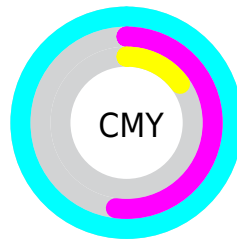
- Red (0%)
- Green (48%)
- Blue (85%)



- Red (0%)
- Yellow (31%)
- Blue (85%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (52%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6144, 18.9810, 68.9596 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 19.6144, 18.9810, 68.9596 by changing the saturation by 10% instead.

■ 19.6144, 18.9810,
68.9596

■ 19.6144, 18.9810,
68.9596

242.6935,
246.3439, 475.5785

■ 12.2217, 11.6565,
50.2073

■ 42.2786, 41.7020,
119.3910

■ 6.9681, 6.5103,
35.2058

■ 58.2809, 57.8673,
151.9072

■ 3.4883, 3.1578,
23.5366

■ 77.8837, 77.7484,
189.8484

■ 1.4169, 1.2146,
14.7812

■ 101.4524,
101.7296, 233.6331

■ 0.2683, 0.0736,
8.5211

■ 129.3524,
130.1954, 283.6800

■ 0.0000, 0.0000,
4.3376

161.9490,

■ 0.0000, 0.0000,

163.5301, 340.4075

1.8123

199.6076,
202.1181, 404.2341

■ 0.0000, 0.0000,
0.4361

■ 0.0000, 0.0000,
0.0000

■ 19.6144, 18.9810,
68.9596

■ 19.6144, 18.9810,
68.9596

■ 19.6118, 18.9756,
68.9591

■ 21.1801, 21.6259,
69.3881

■ 23.2340, 24.7001,
69.8732

■ 25.9007, 28.2726,
70.4222

■ 29.2510, 32.3843,
71.0393

■ 33.3451, 37.0705,
71.7280

■ 38.2357, 42.3625,
72.4917

■ 43.9706, 48.2890,
73.3334

■ 50.5933, 54.8763,
74.2558

■ 58.1444, 62.1491,
75.2616

Harmonies

Analogous

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



14.3072, 18.9810, 64.7708



19.6144, 18.9810, 68.9596



25.5736, 18.9810, 55.8334

Triad

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



19.6144, 18.9810, 68.9596



27.9491, 18.9810, 6.8381



9.7532, 18.9810, 11.1488

Complementary

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



19.6144, 18.9810, 68.9596



33.1016, 23.2809, 2.7505

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.



12.1549, 18.9810, 4.6280



19.6144, 18.9810, 68.9596



22.3734, 18.9810, 3.1930

Square

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



19.6144, 18.9810, 68.9596



30.9973, 18.9810, 16.5880



16.5538, 18.9810, 2.6727



9.3161, 18.9810, 25.3655

Rectangle

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



19.6144, 18.9810, 68.9596



28.8673, 18.9810, 41.6970



16.5538, 18.9810, 2.6727



10.3292, 18.9810, 8.2533

Sweetspot

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



19.6152, 18.9815, 68.9601



62.4618, 68.6178, 104.5602



27.1150, 50.9606, 19.1141



12.5956, 13.8957, 22.2682



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.



19.6152, 18.9815, 68.9601



27.8245, 26.7690, 98.3082



12.8206, 5.3923, 66.6952



12.9400, 13.8197, 16.6376



11.8584, 11.5862, 41.3498



0.8536, 0.9213, 2.7073

Inverse Universe

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



32.4271, 16.3118, 19.8519



46.1737, 23.2335, 27.9105



50.3812, 57.8402, 8.5104



13.3596, 13.1729, 15.1547



19.4809, 9.7934, 12.1783



1.3051, 0.6517, 1.0158

Previews

White Background



This preview shows how the XYZ color 19.6144, 18.9810, 68.9596 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 19.6144, 18.9810, 68.9596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

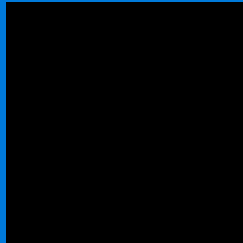
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6144, 18.9810, 68.9596

Background



This preview shows how black text looks on a background with the XYZ color 19.6144, 18.9810, 68.9596.



This preview shows how white text looks on a background with the XYZ color 19.6144, 18.9810,

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

19.6144, 18.9810, 68.9596

Protanopia

21.2732, 19.0225, 65.5013

Deuteranopia

19.4839, 18.9288, 68.2724



Tritanopia

13.4830, 19.0334, 28.9498

Trichromacy



Original Color

19.6144, 18.9810, 68.9596

Protanomaly

20.0815, 18.7283, 66.8465

Deuteranomaly

19.4839, 18.9288, 68.2724

Tritanomaly

15.2383, 18.8675, 40.8689

Monochromacy



Original Color

19.6144, 18.9810, 68.9596

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.7097, 12.9887, 26.7008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6144, 18.9810, 68.9596 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, 122, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 218)  
}
```

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, 122, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 218) }
```

Border

The CSS property to change the border of an element to XYZ 19.6144, 18.9810, 68.9596 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, 122, 218) }
```


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

```
.border{ border-color:rgb(0, 122, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6144, 18.9810, 68.9596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 218) }
```

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

```
.background{ background-color: rgb(0, 122,  
218) }
```

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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