

Converting Colors

XYZ(1.6907, 9.5866, 69.5307)

Have a look what the booklet for
XYZ(1.6907, 9.5866, 69.5307)
contains.

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Color

**XYZ(19.7556, 18.8421,
70.3058)**

Conversions

Conversions Part 1

Format	Color
Hex	0079DC
RGB	0, 121, 220
RGB Percent	0%, 47%, 86%
CMY	0.9998, 0.5255, 0.1373
CMYK	1.00, 0.45, 0.00, 0.14
HSL	207°, 100%, 43%
HSV	207°, 100%, 86%
XYZ	19.7556, 18.8421, 70.3058
YIQ	96.1070, -103.8950, 5.1370

Conversions

Conversions Part 2

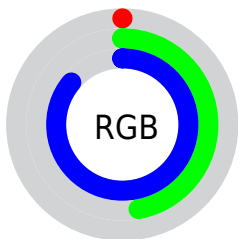
Format	Color
RYB	0, 78, 220
Decimal	31196
CIELab	50.50, 9.53, -58.21
CIELCh	51, 58.982, 279.301
Yxy	18.8421, 0.1814, 0.1730
Android (android.graphics.Color)	4278221276 (0xFF0079DC)
YUV	96.1070, 61.0792, -84.2858
Hunter-Lab	43.4075, 5.2758, -65.6450

Details

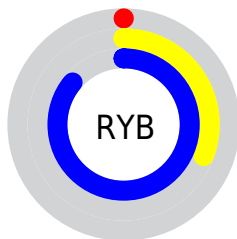
The XYZ color **19.7556, 18.8421, 70.3058** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **33.9820, 24.1485, 2.8715**, and the grayscale version is **11.0225, 11.5965, 12.6286**.

A 20% lighter version of the original color is **38.5871, 39.9907, 100.2930**, and **9.1496, 7.5779, 36.1024** is the 20% darker color. If you saturate the color by 10%, you get **19.7532, 18.8371, 70.3054**, and if you desaturate by 10%, it is **21.3536, 21.5450, 70.7438**.

Distribution



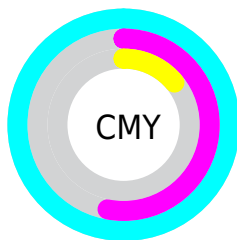
- Red (0%)
- Green (47%)
- Blue (86%)



- Red (0%)
- Yellow (31%)
- Blue (86%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (53%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7556, 18.8421, 70.3058 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 19.7556, 18.8421, 70.3058 by changing the saturation by 10% instead.

■ 19.7556, 18.8421,
70.3058

■ 19.7556, 18.8421,
70.3058

243.4478,
245.5757, 480.4411

■ 12.3247, 11.5562,
51.2975

■ 42.5141, 41.4671,
121.3299

■ 7.0390, 6.4423,
36.0671

■ 58.5725, 57.5751,
154.1829

■ 3.5331, 3.1158,
24.1959

■ 78.2374, 77.3925,
192.4878

■ 1.4415, 1.1925,
15.2655

■ 101.8743,
101.3038, 236.6633

■ 0.2855, 0.0556,
8.8572

■ 129.8484,
129.6934, 287.1278

■ 0.0000, 0.0000,
4.5526

162.5251,

■ 0.0000, 0.0000,

162.9456, 344.2999

1.9332

200.2698,
201.4449, 408.5982

■ 0.0000, 0.0000,
0.5137

■ 0.0000, 0.0000,
0.0000

■ 19.7556, 18.8421,
70.3058

■ 19.7556, 18.8421,
70.3058

■ 19.7532, 18.8371,
70.3054

■ 21.3536, 21.5450,
70.7438

■ 23.4553, 24.6962,
71.2412

■ 26.1879, 28.3664,
71.8056

■ 29.6241, 32.5978,
72.4413

■ 33.8256, 37.4271,
73.1519

■ 38.8465, 42.8866,
73.9411

■ 44.7359, 49.0060,
74.8119

■ 51.5386, 55.8126,
75.7671

■ 59.2960, 63.3322,
76.8097

Harmonies

Analogous

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



14.2786, 18.8421, 66.6709



19.7556, 18.8421, 70.3058



25.8633, 18.8421, 56.0629

Triad

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



19.7556, 18.8421, 70.3058



27.8981, 18.8421, 6.2865



9.4303, 18.8421, 11.2364

Complementary

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



19.7556, 18.8421, 70.3058



33.9820, 24.1485, 2.8715

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.



11.7796, 18.8421, 4.4743



19.7556, 18.8421, 70.3058



22.1075, 18.8421, 2.8647

Square

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



19.7556, 18.8421, 70.3058



31.1838, 18.8421, 15.8126



16.1809, 18.8421, 2.4486



9.0645, 18.8421, 26.0699

Rectangle

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



19.7556, 18.8421, 70.3058



29.1957, 18.8421, 41.2964



16.1809, 18.8421, 2.4486



9.9857, 18.8421, 8.2254

Sweetspot

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



19.7564, 18.8426, 70.3063



62.2675, 68.2292, 104.4954



27.8474, 52.0884, 20.3974



12.5495, 13.8035, 22.2529



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.



19.7564, 18.8426, 70.3063



27.4611, 26.0422, 98.1870



13.0391, 5.4080, 68.0672



12.9293, 13.7982, 16.6340



11.7057, 11.2809, 41.2989



0.8440, 0.9021, 2.7041

Inverse Universe

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



32.9672, 16.5973, 19.5555



45.9903, 23.1601, 26.9447



52.3169, 60.8183, 8.9831



13.3542, 13.1708, 15.1262



19.4038, 9.7626, 11.7726



1.3003, 0.6498, 0.9903

Previews

White Background



This preview shows how the XYZ color 19.7556, 18.8421, 70.3058 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 19.7556, 18.8421, 70.3058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

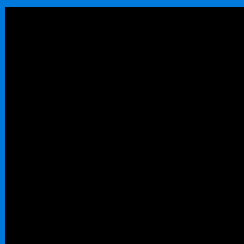
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

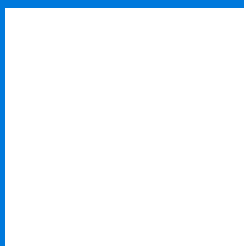
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7556, 18.8421, 70.3058

Background



This preview shows how black text looks on a background with the XYZ color 19.7556, 18.8421, 70.3058.



This preview shows how white text looks on a background with the XYZ color 19.7556, 18.8421,

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

19.7556, 18.8421, 70.3058

Protanopia

21.1836, 18.7748, 66.7974

Deuteranopia

19.2253, 18.8254, 66.9104



Tritanopia

13.2700, 18.7281, 28.5067

Trichromacy



Original Color

19.7556, 18.8421, 70.3058

Protanomaly

20.1295, 18.5475, 68.1647

Deuteranomaly

19.4839, 18.9288, 68.2724

Tritanomaly

15.1060, 18.6028, 40.8247

Monochromacy



Original Color

19.7556, 18.8421, 70.3058

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.7838, 13.0183, 27.0910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7556, 18.8421, 70.3058 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, 121, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 220)  
}
```

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, 121, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 220) }
```

Border

The CSS property to change the border of an element to XYZ 19.7556, 18.8421, 70.3058 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, 121, 220) }
```


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

```
.border{ border-color:rgb(0, 121, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7556, 18.8421, 70.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 220) }
```

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

```
.background{ background-color: rgb(0, 121,  
220) }
```

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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