

Converting Colors

XYZ(19.7879, 16.8353, 76.7019)

Have a look what the booklet for
XYZ(19.7879, 16.8353, 76.7019)
contains.

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Color

**XYZ(19.8589, 16.8650,
77.0715)**

Conversions

Conversions Part 1

Format	Color
Hex	006EE6
RGB	0, 110, 230
RGB Percent	0%, 43%, 90%
CMY	0.9997, 0.5686, 0.0980
CMYK	1.00, 0.52, 0.00, 0.10
HSL	211°, 100%, 45%
HSV	211°, 100%, 90%
XYZ	19.8589, 16.8650, 77.0715
YIQ	90.7900, -104.0800, 14.0000

Conversions

Conversions Part 2

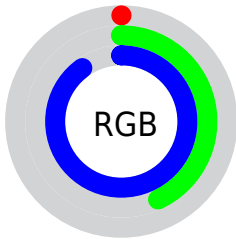
Format	Color
RYB	0, 74, 230
Decimal	28390
CIELab	48.09, 20.45, -67.74
CIELCh	48, 70.760, 286.795
Yxy	16.8650, 0.1745, 0.1482
Android (android.graphics.Color)	4278218470 (0xFF006EE6)
YUV	90.7900, 68.6305, -79.6228
Hunter-Lab	41.0670, 14.4505, -82.5241

Details

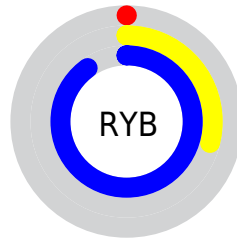
The XYZ color **19.8589, 16.8650, 77.0715** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **39.3583, 30.2724, 3.7707**, and the grayscale version is **9.7674, 10.2761, 11.1907**.

A 20% lighter version of the original color is **36.7387, 35.7739, 99.5765**, and **9.3762, 6.6839, 40.3311** is the 20% darker color. If you saturate the color by 10%, you get **19.8552, 16.8575, 77.0707**, and if you desaturate by 10%, it is **21.5978, 19.8160, 77.5499**.

Distribution



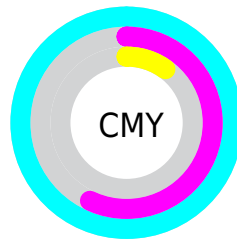
- Red (0%)
- Green (43%)
- Blue (90%)



- Red (0%)
- Yellow (29%)
- Blue (90%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (57%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8589, 16.8650, 77.0715 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 19.8589, 16.8650, 77.0715 by changing the saturation by 10% instead.

■ 19.8589, 16.8650,
77.0715

■ 19.8589, 16.8650,
77.0715

243.9984,
234.3932, 504.4519

■ 12.4002, 10.1383,
56.7996

■ 42.6862, 38.0935,
131.0143

■ 7.0910, 5.4907,
40.4361

■ 58.7856, 53.3641,
165.5224

■ 3.5659, 2.5380,
27.5624

■ 78.4958, 72.2515,
205.6130

■ 1.4596, 0.8956,
17.7599

■ 102.1824, 95.1399,
251.7045

■ 0.2981, 0.0000,
10.6101

■ 130.2105,
122.4140, 304.2157

■ 0.0000, 0.0000,
5.6944

162.9457,

■ 0.0000, 0.0000,

154.4579, 363.5649

2.5944

200.7532,
191.6562, 430.1708

■ 0.0000, 0.0000,
0.8896

■ 0.0000, 0.0000,
0.0000

■ 19.8589, 16.8650,
77.0715

■ 19.8589, 16.8650,
77.0715

■ 19.8552, 16.8575,
77.0707

■ 21.5978, 19.8160,
77.5499

■ 23.9388, 23.3477,
78.1082

■ 27.0225, 27.5418,
78.7552

■ 30.9326, 32.4504,
79.4966

■ 35.7401, 38.1186,
80.3373

■ 41.5076, 44.5867,
81.2818

■ 48.2918, 51.8918,
82.3342

■ 56.1444, 60.0681,
83.4985

■ 65.1136, 69.1476,
84.7783

Harmonies

Analogous

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



13.3773, 16.8650, 78.5696



19.8589, 16.8650, 77.0715



26.7891, 16.8650, 54.6497

Triad

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



19.8589, 16.8650, 77.0715



26.0279, 16.8650, 2.7841



6.7794, 16.8650, 11.4259

Complementary

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



19.8589, 16.8650, 77.0715



39.3583, 30.2724, 3.7707

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.



8.6231, 16.8650, 3.2525



19.8589, 16.8650, 77.0715



19.0113, 16.8650, 0.9805

Square

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



19.8589, 16.8650, 77.0715



30.9503, 16.8650, 9.9394



12.7273, 16.8650, 1.0639



6.8926, 16.8650, 30.5592

Rectangle

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



19.8589, 16.8650, 77.0715



30.2256, 16.8650, 36.0654



12.7273, 16.8650, 1.0639



7.1644, 16.8650, 7.6753

Sweetspot

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



19.8597, 16.8654, 77.0720



60.8446, 65.3834, 104.0211



31.6195, 57.9231, 26.9243



12.2131, 13.1306, 22.1407



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.



19.8597, 16.8654, 77.0720



24.9994, 21.1188, 97.3665



14.3325, 5.7398, 75.2158



14.1485, 15.0183, 18.2975



11.3617, 9.7855, 43.6731



0.9321, 0.9082, 3.2581

Inverse Universe

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



35.4485, 17.9503, 16.3482



44.7477, 22.6631, 20.4014



59.7142, 72.7901, 10.9045



14.6625, 14.4822, 16.4233



20.1284, 10.1856, 9.5709



1.5341, 0.7714, 0.9532

Previews

White Background



This preview shows how the XYZ color 19.8589, 16.8650, 77.0715 looks on a white background.

Color Contrast Check

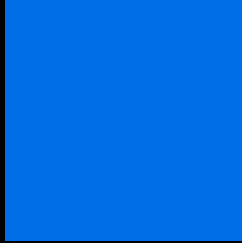
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.8589, 16.8650, 77.0715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

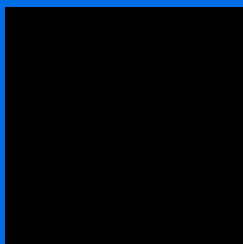
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

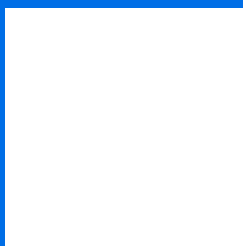
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8589, 16.8650, 77.0715

Background



This preview shows how black text looks on a background with the XYZ color 19.8589, 16.8650, 77.0715.



This preview shows how white text looks on a background with the XYZ color 19.8589, 16.8650,

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

19.8589, 16.8650, 77.0715

Protanopia

20.0635, 16.8274, 76.3193

Deuteranopia

16.7880, 16.7078, 57.5985



Tritanopia

11.7639, 16.6429, 25.1466

Trichromacy



Original Color

19.8589, 16.8650, 77.0715

Protanomaly

19.8427, 16.7136, 76.3090

Deuteranomaly

17.9010, 16.7881, 64.5843

Tritanomaly

13.8779, 16.2975, 39.9504

Monochromacy



Original Color

19.8589, 16.8650, 77.0715

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.9951, 11.5879, 27.2484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8589, 16.8650, 77.0715 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, 110, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 230)  
}
```

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, 110, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 230) }
```

Border

The CSS property to change the border of an element to XYZ 19.8589, 16.8650, 77.0715 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, 110, 230) }
```


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

```
.border{ border-color:rgb(0, 110, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 110, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8589, 16.8650, 77.0715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 230) }
```

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

```
.background{ background-color: rgb(0, 110,  
230) }
```

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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