

Converting Colors

XYZ(18.2419, 15.2226, 73.8174)

Have a look what the booklet for
XYZ(18.2419, 15.2226, 73.8174)
contains.

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Color

**XYZ(18.6778, 15.3916,
73.9380)**

Conversions

Conversions Part 1

Format	Color
Hex	0068E2
RGB	0, 104, 226
RGB Percent	0%, 41%, 89%
CMY	0.9998, 0.5922, 0.1137
CMYK	1.00, 0.54, 0.00, 0.11
HSL	212°, 100%, 44%
HSV	212°, 100%, 89%
XYZ	18.6778, 15.3916, 73.9380
YIQ	86.8120, -101.1460, 15.8940

Conversions

Conversions Part 2

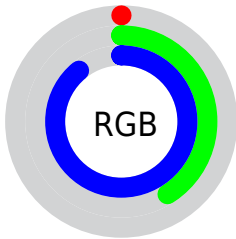
Format	Color
RYB	0, 71, 226
Decimal	26850
CIELab	46.17, 22.73, -68.61
CIELCh	46, 72.278, 288.333
Yxy	15.3916, 0.1729, 0.1425
Android (android.graphics.Color)	4278216930 (0xFF0068E2)
YUV	86.8120, 68.6197, -76.1341
Hunter-Lab	39.2321, 16.3248, -84.2771

Details

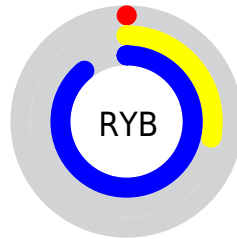
The XYZ color **18.6778, 15.3916, 73.9380** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **38.3316, 30.1031, 3.7919**, and the grayscale version is **8.8958, 9.3591, 10.1921**.

A 20% lighter version of the original color is **35.4313, 33.3345, 99.1745**, and **8.8197, 6.0302, 38.7293** is the 20% darker color. If you saturate the color by 10%, you get **18.6746, 15.3851, 73.9373**, and if you desaturate by 10%, it is **20.3420, 18.2068, 74.3941**.

Distribution



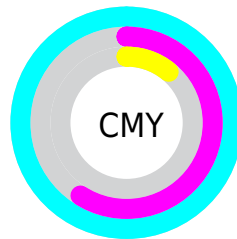
- Red (0%)
- Green (41%)
- Blue (89%)



- Red (0%)
- Yellow (28%)
- Blue (89%)



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (59%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6778, 15.3916, 73.9380 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 18.6778, 15.3916, 73.9380 by changing the saturation by 10% instead.

■ 18.6778, 15.3916,
73.9380

■ 18.6778, 15.3916,
73.9380

237.6366,
225.7244, 493.4170

■ 11.5403, 9.0947,
54.2468

■ 40.7100, 35.5387,
126.5411

■ 6.5015, 4.8030,
38.4045

■ 56.3355, 50.1577,
160.2902

■ 3.1959, 2.1321,
25.9925

■ 75.5210, 68.3195,
199.5623

■ 1.2582, 0.6826,
16.5923

■ 98.6319, 90.4085,
244.7759

■ 0.1516, 0.0000,
9.7854

■ 126.0336,
116.8091, 296.3497

■ 0.0000, 0.0000,
5.1532

158.0913,

■ 0.0000, 0.0000,

147.9057, 354.7021

2.2771

195.1706,
184.0826, 420.2517

■ 0.0000, 0.0000,
0.7183

■ 0.0000, 0.0000,
0.0000

■ 18.6778, 15.3916,
73.9380

■ 18.6778, 15.3916,
73.9380

■ 18.6746, 15.3851,
73.9373

■ 20.3420, 18.2068,
74.3941

■ 22.5935, 21.5994,
74.9303

■ 25.5691, 25.6498,
75.5552

■ 29.3496, 30.4091,
76.2746

■ 34.0035, 35.9219,
77.0934

■ 39.5914, 42.2280,
78.0161

■ 46.1682, 49.3640,
79.0469

■ 53.7839, 57.3639,
80.1896

■ 62.4853, 66.2593,
81.4480

Harmonies

Analogous

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



12.3636, 15.3916, 76.7172



18.6778, 15.3916, 73.9380



25.3744, 15.3916, 50.9119

Triad

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



18.6778, 15.3916, 73.9380



23.9948, 15.3916, 2.0480



5.8286, 15.3916, 10.7954

Complementary

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



18.6778, 15.3916, 73.9380



38.3316, 30.1031, 3.7919

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.



7.4481, 15.3916, 2.8142



18.6778, 15.3916, 73.9380



17.1561, 15.3916, 0.6160

Square

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



18.6778, 15.3916, 73.9380



28.9894, 15.3916, 8.1966



11.2126, 15.3916, 0.7681



6.0236, 15.3916, 29.8451

Rectangle

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



18.6778, 15.3916, 73.9380



28.6195, 15.3916, 32.6513



11.2126, 15.3916, 0.7681



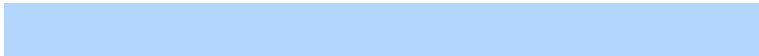
6.1549, 15.3916, 7.0993

Sweetspot

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



18.6786, 15.3920, 73.9384



60.4938, 64.6818, 103.9042



30.6216, 55.7632, 27.0980



12.1304, 12.9653, 22.1132



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.



18.6786, 15.3920, 73.9384



24.4472, 20.0144, 97.1824



13.8232, 5.5413, 72.2930



13.4690, 14.2771, 17.4336



10.7697, 9.0089, 42.2196



0.8353, 0.8020, 2.9560

Inverse Universe

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



33.8636, 17.1696, 14.6259



44.4690, 22.5516, 18.9338



56.2508, 69.3711, 10.4269



13.9682, 13.8049, 15.6027



19.3762, 9.8175, 8.6470



1.3879, 0.6984, 0.8354

Previews

White Background



This preview shows how the XYZ color 18.6778, 15.3916, 73.9380 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 18.6778, 15.3916, 73.9380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

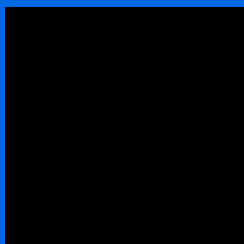
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

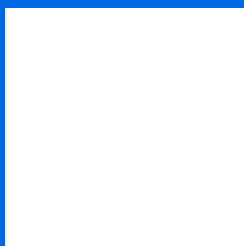
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6778, 15.3916, 73.9380

Background



This preview shows how black text looks on a background with the XYZ color 18.6778, 15.3916, 73.9380.



This preview shows how white text looks on a background with the XYZ color 18.6778, 15.3916,

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

18.6778, 15.3916, 73.9380

Protanopia

18.3709, 15.4309, 71.8222

Deuteranopia

15.3086, 15.3941, 52.0337



Tritanopia

10.7998, 15.2597, 23.1451

Trichromacy



Original Color

18.6778, 15.3916, 73.9380

Protanomaly

18.5061, 15.4850, 72.5345

Deuteranomaly

16.3677, 15.2969, 59.2167

Tritanomaly

12.8316, 14.9418, 37.3297

Monochromacy



Original Color

18.6778, 15.3916, 73.9380

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.0773, 10.4759, 25.5357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6778, 15.3916, 73.9380 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, 104, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 226)  
}
```

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, 104, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 226) }
```

Border

The CSS property to change the border of an element to XYZ 18.6778, 15.3916, 73.9380 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, 104, 226) }
```


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

```
.border{ border-color:rgb(0, 104, 226) }
```

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

Here you see how a box with a 4 pixel rgb(0, 104, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6778, 15.3916, 73.9380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 226) }
```

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

```
.background{ background-color: rgb(0, 104,  
226) }
```

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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