

Converting Colors

XYZ(16.1102, 11.5533, 73.1390)

Have a look what the booklet for
XYZ(16.1102, 11.5533, 73.1390)
contains.

XYZ(16.9760, 11.9880, 73.3707)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.9760, 11.9880,
73.3707)**

Conversions

Conversions Part 1

Format	Color
Hex	0055E2
RGB	0, 85, 226
RGB Percent	0%, 33%, 89%
CMY	0.9998, 0.6667, 0.1137
CMYK	1.00, 0.62, 0.00, 0.11
HSL	217°, 100%, 44%
HSV	217°, 100%, 89%
XYZ	16.9760, 11.9880, 73.3707
YIQ	75.6590, -95.9210, 25.8310

Conversions

Conversions Part 2

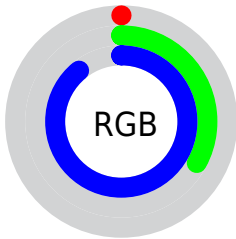
Format	Color
RYB	0, 62, 226
Decimal	21986
CIELab	41.20, 35.04, -76.73
CIELCh	41, 84.349, 294.547
Yxy	11.9880, 0.1659, 0.1171
Android (android.graphics.Color)	4278212066 (0xFF0055E2)
YUV	75.6590, 74.1181, -66.3529
Hunter-Lab	34.6237, 26.9271, -101.4042

Details

The XYZ color **16.9760, 11.9880, 73.3707** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **40.8986, 35.2371, 4.6476**, and the grayscale version is **6.6927, 7.0412, 7.6679**.

A 20% lighter version of the original color is **32.6385, 27.3960, 98.1755**, and **7.9894, 4.5205, 37.9876** is the 20% darker color. If you saturate the color by 10%, you get **16.9730, 11.9819, 73.3700**, and if you desaturate by 10%, it is **18.5448, 14.6124, 73.7949**.

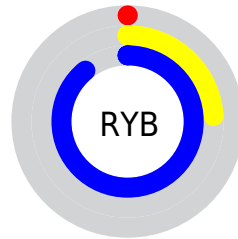
Distribution



Red (0%)

Green (33%)

Blue (89%)



Red (0%)

Yellow (24%)

Blue (89%)

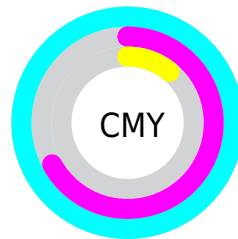


Cyan (100%)

Magenta (62%)

Yellow (0%)

Black (11%)



Cyan (100%)

Magenta (67%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9760, 11.9880, 73.3707 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 16.9760, 11.9880, 73.3707 by changing the saturation by 10% instead.

■ 16.9760, 11.9880,
73.3707

■ 16.9760, 11.9880,
73.3707

228.1930,
204.3258, 491.4038

■ 10.3126, 6.7355,
53.7855

■ 37.8284, 29.4732,
125.7291

■ 5.6705, 3.2972,
38.0382

■ 52.7482, 42.4748,
159.3394

■ 2.6845, 1.2888,
25.7102

■ 71.1507, 58.8281,
198.4617

■ 0.9892, 0.1325,
16.3832

■ 93.4014, 78.9177,
243.5147

■ 0.0000, 0.0000,
9.6384

■ 119.8656,
103.1279, 294.9169

■ 0.0000, 0.0000,
5.0574

150.9087,

■ 0.0000, 0.0000,

131.8430, 353.0867

2.2217

186.8961,
165.4475, 418.4429

■ 0.0000, 0.0000,
0.6868

■ 0.0000, 0.0000,
0.0000

■ 16.9760, 11.9880,
73.3707

■ 16.9760, 11.9880,
73.3707

■ 16.9730, 11.9819,
73.3700

■ 18.5448, 14.6124,
73.7949

■ 20.7495, 17.9113,
74.3155

■ 23.7313, 21.9741,
74.9425

■ 27.5751, 26.8601,
75.6830

■ 32.3533, 32.6215,
76.5432

■ 38.1300, 39.3051,
77.5288

■ 44.9632, 46.9541,
78.6451

■ 52.9064, 55.6087,
79.8970

■ 62.0090, 65.3065,
81.2891

Harmonies

Analogous

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



10.3185, 11.9880, 82.8417



16.9760, 11.9880, 73.3707



23.8225, 11.9880, 43.7130

Triad

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



16.9760, 11.9880, 73.3707



19.6131, 11.9880, 0.1622



3.2671, 11.9880, 10.1215

Complementary

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



16.9760, 11.9880, 73.3707



40.8986, 35.2371, 4.6476

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.



4.2760, 11.9880, 1.6698



16.9760, 11.9880, 73.3707



12.5422, 11.9880, 0.0000

Square

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



16.9760, 11.9880, 73.3707



25.6864, 11.9880, 3.4971



7.1936, 11.9880, 0.0000



3.7234, 11.9880, 32.4971

Rectangle

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



16.9760, 11.9880, 73.3707



26.7922, 11.9880, 24.1659



7.1936, 11.9880, 0.0000



3.4306, 11.9880, 6.0078

Sweetspot

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



16.9767, 11.9882, 73.3711



58.9006, 61.4954, 103.3731



31.8860, 56.2689, 33.7563



11.7566, 12.2176, 21.9885



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.



16.9767, 11.9882, 73.3711



22.2204, 15.5607, 96.4401



14.1650, 5.7175, 72.3089



13.3721, 14.0834, 17.4013



9.7882, 7.0461, 41.8925



0.7626, 0.6567, 2.9318

Inverse Universe

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



33.0045, 16.8260, 10.1023



43.3450, 22.1020, 13.0148



50.9204, 66.6231, 10.1775



13.9193, 13.7854, 15.3452



18.8809, 9.6193, 6.0383



1.3512, 0.6838, 0.6422

Previews

White Background



This preview shows how the XYZ color 16.9760, 11.9880, 73.3707 looks on a white background.

Color Contrast Check

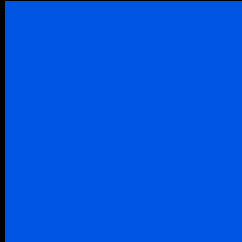
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9760, 11.9880, 73.3707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

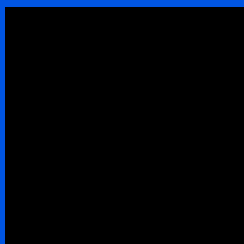
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9760, 11.9880, 73.3707

Background



This preview shows how black text looks on a background with the XYZ color 16.9760, 11.9880, 73.3707.



This preview shows how white text looks on a background with the XYZ color 16.9760, 11.9880,

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

16.9760, 11.9880, 73.3707

Protanopia

13.9924, 11.8599, 54.3750

Deuteranopia

11.6233, 11.7883, 39.1989



Tritanopia

8.3998, 11.9400, 17.7815

Trichromacy



Original Color

16.9760, 11.9880, 73.3707

Protanomaly

15.0413, 11.8664, 61.1722

Deuteranomaly

13.2970, 11.7231, 50.2772

Tritanomaly

10.4736, 11.4809, 32.6744

Monochromacy



Original Color

16.9760, 11.9880, 73.3707

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

8.1116, 7.8590, 22.5621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9760, 11.9880, 73.3707 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, 85, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 85, 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, 85, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 85, 226) }
```

Border

The CSS property to change the border of an element to XYZ 16.9760, 11.9880, 73.3707 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, 85, 226) }
```


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

```
.border{ border-color:rgb(0, 85, 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, 85, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 85, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 85, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 85, 226)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.9760, 11.9880, 73.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 85, 226) }
```

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

```
.background{ background-color: rgb(0, 85,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor