

Converting Colors

XYZ(19.2717, 16.3702, 74.7809)

Have a look what the booklet for
XYZ(19.2717, 16.3702, 74.7809)
contains.

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Color

**XYZ(19.2277, 16.2712,
74.8003)**

Conversions

Conversions Part 1

Format	Color
Hex	006CE3
RGB	0, 108, 227
RGB Percent	0%, 42%, 89%
CMY	0.9998, 0.5765, 0.1098
CMYK	1.00, 0.52, 0.00, 0.11
HSL	211°, 100%, 45%
HSV	211°, 100%, 89%
XYZ	19.2277, 16.2712, 74.8003
YIQ	89.2740, -102.5670, 14.1130

Conversions

Conversions Part 2

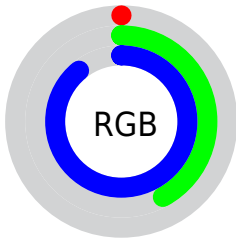
Format	Color
RYB	0, 73, 227
Decimal	27875
CIELab	47.33, 20.55, -67.29
CIELCh	47, 70.354, 286.983
Yxy	16.2712, 0.1743, 0.1475
Android (android.graphics.Color)	4278217955 (0xFF006CE3)
YUV	89.2740, 67.8989, -78.2933
Hunter-Lab	40.3376, 14.4948, -81.7086

Details

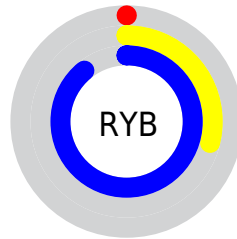
The XYZ color **19.2277, 16.2712, 74.8003** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **38.2829, 29.5387, 3.6855**, and the grayscale version is **9.4308, 9.9220, 10.8050**.

A 20% lighter version of the original color is **36.2738, 35.0195, 99.4554**, and **9.0733, 6.3855, 39.2824** is the 20% darker color. If you saturate the color by 10%, you get **19.2246, 16.2648, 74.7997**, and if you desaturate by 10%, it is **20.9179, 19.1351, 75.2644**.

Distribution



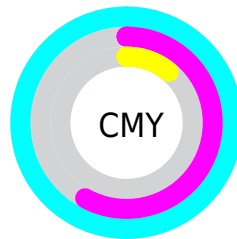
- Red (0%)
- Green (42%)
- Blue (89%)



- Red (0%)
- Yellow (29%)
- Blue (89%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (58%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2277, 16.2712, 74.8003 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 19.2277, 16.2712, 74.8003 by changing the saturation by 10% instead.

■ 19.2277, 16.2712,
74.8003

■ 19.2277, 16.2712,
74.8003

240.6170,
230.9367, 496.4680

■ 11.9399, 9.7163,
54.9486

■ 41.6324, 37.0684,
127.7741

■ 6.7747, 5.2112,
38.9622

■ 57.4800, 52.0794,
161.7333

■ 3.3667, 2.3717,
26.4227

■ 76.9116, 70.6779,
201.2320

■ 1.3505, 0.8113,
16.9116

■ 100.2926, 93.2484,
246.6889

■ 0.2205, 0.0000,
10.0102

■ 127.9883,
120.1750, 298.5223

■ 0.0000, 0.0000,
5.3000

160.3640,

■ 0.0000, 0.0000,

151.8424, 357.1510

2.3625

197.7851,
188.6348, 422.9934

■ 0.0000, 0.0000,
0.7659

■ 0.0000, 0.0000,
0.0000

■ 19.2277, 16.2712,
74.8003

■ 19.2277, 16.2712,
74.8003

■ 19.2246, 16.2648,
74.7997

■ 20.9179, 19.1351,
75.2644

■ 23.1927, 22.5645,
75.8065

■ 26.1895, 26.6393,
76.4351

■ 29.9892, 31.4101,
77.1556

■ 34.6607, 36.9207,
77.9731

■ 40.2648, 43.2103,
78.8917

■ 46.8561, 50.3149,
79.9156

■ 54.4852, 58.2678,
81.0486

■ 63.1986, 67.1003,
82.2942

Harmonies

Analogous

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



12.9253, 16.2712, 76.4144



19.2277, 16.2712, 74.8003



25.9596, 16.2712, 52.8553

Triad

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



19.2277, 16.2712, 74.8003



25.1417, 16.2712, 2.6209



6.4953, 16.2712, 11.0683

Complementary

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



19.2277, 16.2712, 74.8003



38.2829, 29.5387, 3.6855

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.



8.2662, 16.2712, 3.1183



19.2277, 16.2712, 74.8003



18.3180, 16.2712, 0.9127

Square

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



19.2277, 16.2712, 74.8003



29.9526, 16.2712, 9.4779



12.2288, 16.2712, 1.0012



6.6162, 16.2712, 29.7207

Rectangle

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



19.2277, 16.2712, 74.8003



29.2887, 16.2712, 34.7640



12.2288, 16.2712, 1.0012



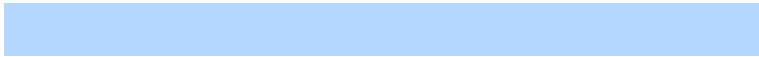
6.8636, 16.2712, 7.4163

Sweetspot

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



19.2285, 16.2716, 74.8008



60.7965, 65.2871, 104.0051



30.6992, 56.2306, 26.1615



12.2017, 13.1079, 22.1369



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.



19.2285, 16.2716, 74.8008



24.9223, 20.9646, 97.3408



13.9139, 5.5721, 73.0157



14.1454, 15.0123, 18.2964



11.3269, 9.7159, 43.6615



0.9295, 0.9029, 3.2573

Inverse Universe

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



34.3862, 17.4150, 15.7365



44.7088, 22.6475, 20.1966



57.9683, 70.6613, 10.5854



14.6610, 14.4816, 16.4152



20.1108, 10.1785, 9.4784



1.5328, 0.7708, 0.9463

Previews

White Background



This preview shows how the XYZ color 19.2277, 16.2712, 74.8003 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 19.2277, 16.2712, 74.8003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

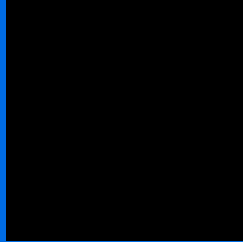
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

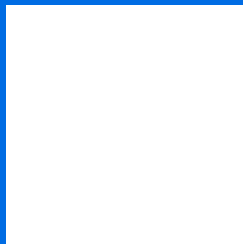
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.2277, 16.2712, 74.8003

Background



This preview shows how black text looks on a background with the XYZ color 19.2277, 16.2712, 74.8003.



This preview shows how white text looks on a background with the XYZ color 19.2277, 16.2712,

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

19.2277, 16.2712, 74.8003

Protanopia

19.5810, 16.4533, 74.8168

Deuteranopia

16.2104, 16.1118, 55.6816



Tritanopia

11.3725, 16.0812, 24.3344

Trichromacy



Original Color

19.2277, 16.2712, 74.8003

Protanomaly

19.4247, 16.3727, 74.8095

Deuteranomaly

17.3028, 16.1918, 62.5350

Tritanomaly

13.4535, 15.7469, 38.8896

Monochromacy



Original Color

19.2277, 16.2712, 74.8003

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.5304, 11.0997, 26.0135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2277, 16.2712, 74.8003 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, 108, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 227)  
}
```

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, 108, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 227) }
```

Border

The CSS property to change the border of an element to XYZ 19.2277, 16.2712, 74.8003 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, 108, 227) }
```


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

```
.border{ border-color:rgb(0, 108, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 108, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 108, 227); box-shadow:4px 4px 4px 4px rgb(0, 108, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2277, 16.2712, 74.8003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 227) }
```

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

```
.background{ background-color: rgb(0, 108,  
227) }
```

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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