

Converting Colors

XYZ(3.5522, 10.6485, 65.4630)

Have a look what the booklet for
XYZ(3.5522, 10.6485, 65.4630)
contains.

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Color

**XYZ(18.9750, 18.5298,
66.1948)**

Conversions

Conversions Part 1

Format	Color
Hex	0079D6
RGB	0, 121, 214
RGB Percent	0%, 47%, 84%
CMY	0.9998, 0.5255, 0.1608
CMYK	1.00, 0.43, 0.00, 0.16
HSL	206°, 100%, 42%
HSV	206°, 100%, 84%
XYZ	18.9750, 18.5298, 66.1948
YIQ	95.4230, -101.9690, 3.2710

Conversions

Conversions Part 2

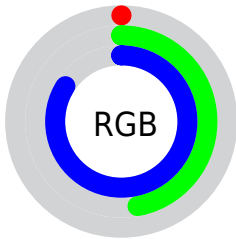
Format	Color
RYB	0, 77, 214
Decimal	31190
CIELab	50.13, 7.17, -55.41
CIELCh	50, 55.868, 277.375
Yxy	18.5298, 0.1830, 0.1787
Android (android.graphics.Color)	4278221270 (0xFF0079D6)
YUV	95.4230, 58.4585, -83.6860
Hunter-Lab	43.0463, 3.3527, -61.0414

Details

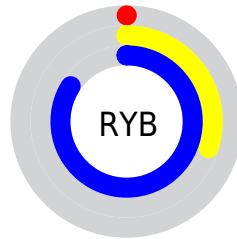
The XYZ color **18.9750, 18.5298, 66.1948** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **31.6511, 22.1346, 2.6058**, and the grayscale version is **10.8643, 11.4301, 12.4474**.

A 20% lighter version of the original color is **38.3604, 39.8738, 100.2824**, and **8.6406, 7.2683, 33.7484** is the 20% darker color. If you saturate the color by 10%, you get **18.9723, 18.5242, 66.1943**, and if you desaturate by 10%, it is **20.4797, 21.0655, 66.6054**.

Distribution



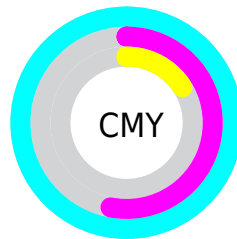
- Red (0%)
- Green (47%)
- Blue (84%)



- Red (0%)
- Yellow (30%)
- Blue (84%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (53%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9750, 18.5298, 66.1948 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 18.9750, 18.5298, 66.1948 by changing the saturation by 10% instead.

■ 18.9750, 18.5298,
66.1948

■ 18.9750, 18.5298,
66.1948

239.2515,
243.8405, 465.4965

■ 11.7561, 11.3310,
47.9731

■ 41.2090, 40.9380,
115.3955

■ 6.6488, 6.2899,
33.4457

■ 56.9549, 56.9163,
147.2116

■ 3.2878, 3.0222,
22.1942

■ 76.2738, 76.5898,
184.3963

■ 1.3077, 1.1433,
13.8000

■ 99.5312, 100.3430,
227.3680

■ 0.1890, 0.0147,
7.8445

■ 127.0922,
128.5603, 276.5453

■ 0.0000, 0.0000,
3.9093

159.3224,

■ 0.0000, 0.0000,

161.6261, 332.3468

1.5757

196.5870,
199.9247, 395.1910

■ 0.0000, 0.0000,
0.2734

■ 0.0000, 0.0000,
0.0000

■ 18.9750, 18.5298,
66.1948

■ 18.9750, 18.5298,
66.1948

■ 18.9723, 18.5242,
66.1943

■ 20.4797, 21.0655,
66.6054

■ 22.4484, 24.0066,
67.0693

■ 25.0015, 27.4193,
67.5935

■ 28.2064, 31.3426,
68.1818

■ 32.1204, 35.8098,
68.8378

■ 36.7939, 40.8508,
69.5645

■ 42.2722, 46.4925,
70.3647

■ 48.5971, 52.7601,
71.2411

■ 55.8069, 59.6769,
72.1962

Harmonies

Analogous

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



13.9211, 18.5298, 61.7982



18.9750, 18.5298, 66.1948



24.6756, 18.5298, 54.1118

Triad

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



18.9750, 18.5298, 66.1948



27.1896, 18.5298, 6.9967



9.6784, 18.5298, 10.7821

Complementary

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



18.9750, 18.5298, 66.1948



31.6511, 22.1346, 2.6058

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.



12.0442, 18.5298, 4.5935



18.9750, 18.5298, 66.1948



21.9037, 18.5298, 3.3153

Square

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



18.9750, 18.5298, 66.1948



30.0073, 18.5298, 16.6033



16.3159, 18.5298, 2.7410



9.2090, 18.5298, 24.2272

Rectangle

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



18.9750, 18.5298, 66.1948



27.8524, 18.5298, 40.7610



16.3159, 18.5298, 2.7410



10.2509, 18.5298, 8.0384

Sweetspot

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



18.9758, 18.5303, 66.1953



62.5790, 68.8521, 104.5993



26.0128, 48.8799, 18.3651



12.6234, 13.9513, 22.2775



0.0000, 0.0000, 0.0000



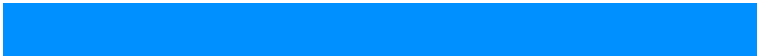
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.9758, 18.5303, 66.1953



28.0467, 27.2134, 98.3822



12.2997, 5.1781, 63.9699



12.3193, 13.1620, 15.8287



11.5727, 11.4072, 40.0450



0.7797, 0.8513, 2.4425

Inverse Universe

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



31.1836, 15.6779, 19.4720



46.2859, 23.2783, 28.5012



48.3256, 55.4834, 8.1639



12.7144, 12.5372, 14.4361



18.9002, 9.4964, 12.0446



1.1812, 0.5893, 0.9435

Previews

White Background



This preview shows how the XYZ color 18.9750, 18.5298, 66.1948 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 18.9750, 18.5298, 66.1948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

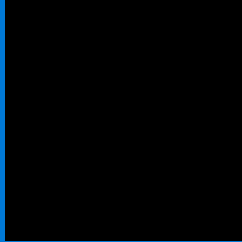
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9750, 18.5298, 66.1948

Background



This preview shows how black text looks on a background with the XYZ color 18.9750, 18.5298, 66.1948.



This preview shows how white text looks on a background with the XYZ color 18.9750, 18.5298,

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

18.9750, 18.5298, 66.1948

Protanopia

20.7345, 18.6307, 62.8249

Deuteranopia

19.1410, 18.6153, 66.2026



Tritanopia

13.0590, 18.4256, 28.0675

Trichromacy



Original Color

18.9750, 18.5298, 66.1948

Protanomaly

19.4552, 18.2884, 64.1326

Deuteranomaly

19.0751, 18.5814, 66.1995

Tritanomaly

14.7871, 18.2655, 39.7920

Monochromacy



Original Color

18.9750, 18.5298, 66.1948

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.4012, 12.6963, 25.8945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9750, 18.5298, 66.1948 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 214) }
```

Border

The CSS property to change the border of an element to XYZ 18.9750, 18.5298, 66.1948 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, 214) }
```


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

```
.border{ border-color:rgb(0, 121, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9750, 18.5298, 66.1948 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, 214) }
```

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

```
.background{ background-color: rgb(0, 121,  
214) }
```

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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