

Converting Colors

XYZ(12.2967, 16.0868, 60.2408)

Have a look what the booklet for
XYZ(12.2967, 16.0868, 60.2408)
contains.

XYZ(18.4803, 19.3295, 60.5146)	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(18.4803, 19.3295,
60.5146)**

Conversions

Conversions Part 1

Format	Color
Hex	007ECD
RGB	0, 126, 205
RGB Percent	0%, 49%, 80%
CMY	0.9998, 0.5059, 0.1961
CMYK	1.00, 0.39, 0.00, 0.20
HSL	203°, 100%, 40%
HSV	203°, 100%, 80%
XYZ	18.4803, 19.3295, 60.5146
YIQ	97.3320, -100.4550, -2.1430

Conversions

Conversions Part 2

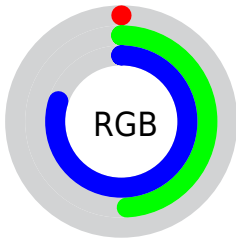
Format	Color
RYB	0, 78, 205
Decimal	32461
CIELab	51.07, 0.57, -48.80
CIELCh	51, 48.800, 270.665
Yxy	19.3295, 0.1880, 0.1966
Android (android.graphics.Color)	4278222541 (0xFF007ECD)
YUV	97.3320, 53.0803, -85.3602
Hunter-Lab	43.9653, -1.9090, -50.8320

Details

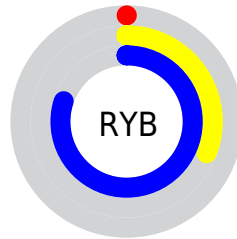
The XYZ color **18.4803, 19.3295, 60.5146** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **27.9765, 18.5778, 2.1126**, and the grayscale version is **11.3386, 11.9291, 12.9908**.

A 20% lighter version of the original color is **39.1160, 41.7134, 100.5976**, and **8.2294, 7.6508, 29.8972** is the 20% darker color. If you saturate the color by 10%, you get **18.4783, 19.3253, 60.5143**, and if you desaturate by 10%, it is **19.8309, 21.5857, 60.8793**.

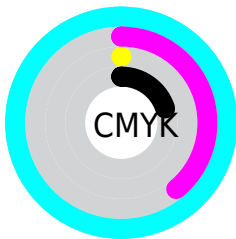
Distribution



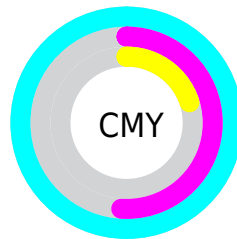
- Red (0%)
- Green (49%)
- Blue (80%)



- Red (0%)
- Yellow (31%)
- Blue (80%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (51%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4803, 19.3295, 60.5146 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 18.4803, 19.3295, 60.5146 by changing the saturation by 10% instead.

■ 18.4803, 19.3295,
60.5146

■ 18.4803, 19.3295,
60.5146

236.5581,
248.2618, 444.3492

■ 11.3971, 11.9086,
43.4055

■ 40.3778, 42.2901,
107.1265

■ 6.4039, 6.6815,
29.8697

■ 55.9228, 58.5987,
137.4664

■ 3.1352, 3.2637,
19.4885

■ 75.0191, 78.6386,
173.0536

■ 1.2256, 1.2709,
11.8434

■ 98.0321, 102.7942,
214.3068

■ 0.1265, 0.1185,
6.5159

■ 125.3272,
131.4499, 261.6444

■ 0.0000, 0.0000,
3.0874

157.2696,

■ 0.0000, 0.0000,

164.9901, 315.4849

1.1394

194.2248,
203.7993, 376.2470

■ 0.0000, 0.0000,
0.0000

■ 18.4803, 19.3295,
60.5146

■ 18.4803, 19.3295,
60.5146

■ 18.4783, 19.3253,
60.5143

■ 19.8309, 21.5857,
60.8793

■ 21.5797, 24.1680,
61.2856

■ 23.8373, 27.1364,
61.7396

■ 26.6633, 30.5239,
62.2445

■ 30.1083, 34.3591,
62.8032

■ 34.2170, 38.6673,
63.4182

■ 39.0296, 43.4715,
64.0919

■ 44.5827, 48.7929,
64.8263

■ 50.9105, 54.6511,
65.6235

Harmonies

Analogous

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



14.1806, 19.3295, 53.8688



18.4803, 19.3295, 60.5146



23.5374, 19.3295, 53.2922

Triad

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



18.4803, 19.3295, 60.5146



27.5931, 19.3295, 10.1720



11.3964, 19.3295, 10.5054

Complementary

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



18.4803, 19.3295, 60.5146



27.9765, 18.5778, 2.1126

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.



14.0238, 19.3295, 5.4401



18.4803, 19.3295, 60.5146



23.3175, 19.3295, 5.3156

Square

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



18.4803, 19.3295, 60.5146



29.3339, 19.3295, 20.7388



18.2643, 19.3295, 4.0645



10.5509, 19.3295, 21.3573

Rectangle

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



18.4803, 19.3295, 60.5146



26.5486, 19.3295, 42.8564



18.2643, 19.3295, 4.0645



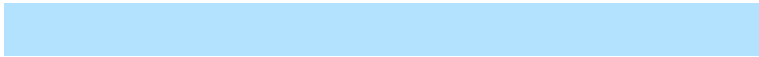
12.0747, 19.3295, 8.2722

Sweetspot

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



18.4811, 19.3301, 60.5151



63.5892, 70.8726, 104.9360



23.2292, 44.2222, 14.6346



12.8637, 14.4318, 22.3576



0.0000, 0.0000, 0.0000



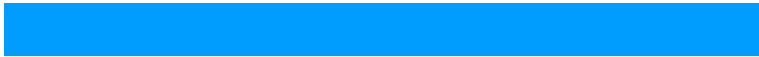
20.3446, 21.4041, 23.3091

Same Dimension

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



18.4811, 19.3301, 60.5151



30.0581, 31.2362, 99.0527



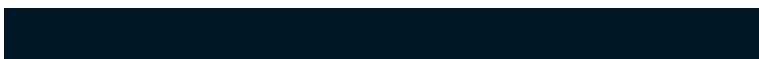
11.3458, 5.0596, 58.1367



11.1660, 11.9725, 14.2928



11.5978, 12.2196, 37.7036



0.6705, 0.7747, 1.9691

Inverse Universe

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



28.9435, 14.4866, 21.0097



47.3011, 23.6845, 33.8475



41.7193, 46.0634, 6.6936



11.4972, 11.3276, 13.1527



18.0650, 9.0366, 13.3266



0.9684, 0.4808, 0.8792

Previews

White Background



This preview shows how the XYZ color 18.4803, 19.3295, 60.5146 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 18.4803, 19.3295, 60.5146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

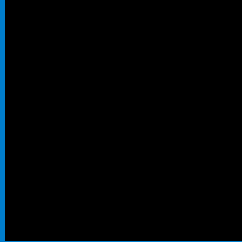
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4803, 19.3295, 60.5146

Background



This preview shows how black text looks on a background with the XYZ color 18.4803, 19.3295, 60.5146.

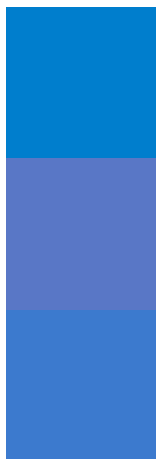


This preview shows how white text looks on a background with the XYZ color 18.4803, 19.3295,

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

18.4803, 19.3295, 60.5146

Protanopia

20.9097, 19.3947, 56.0676

Deuteranopia

19.9636, 19.3360, 61.0725



Tritanopia

13.6980, 19.3416, 29.3969

Trichromacy



Original Color

18.4803, 19.3295, 60.5146

Protanomaly

19.1895, 19.0060, 57.9155

Deuteranomaly

19.0229, 19.0342, 61.0639

Tritanomaly

15.1342, 19.2557, 38.9955

Monochromacy



Original Color

18.4803, 19.3295, 60.5146

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.7931, 13.5268, 25.2819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4803, 19.3295, 60.5146 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, 126, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 205)  
}
```

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, 126, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 205) }
```

Border

The CSS property to change the border of an element to XYZ 18.4803, 19.3295, 60.5146 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, 126, 205) }
```


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

```
.border{ border-color:rgb(0, 126, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4803, 19.3295, 60.5146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 205) }
```

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

```
.background{ background-color: rgb(0, 126,  
205) }
```

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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