

Converting Colors

XYZ(18.4698, 18.3267, 63.5305)

Have a look what the booklet for
XYZ(18.4698, 18.3267, 63.5305)
contains.

XYZ(18.4702, 18.3279, 63.5369)	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(18.4702, 18.3279,
63.5369)**

Conversions

Conversions Part 1

Format	Color
Hex	0079D2
RGB	0, 121, 210
RGB Percent	0%, 47%, 82%
CMY	0.9998, 0.5255, 0.1765
CMYK	1.00, 0.42, 0.00, 0.18
HSL	205°, 100%, 41%
HSV	205°, 100%, 82%
XYZ	18.4702, 18.3279, 63.5369
YIQ	94.9670, -100.6850, 2.0270

Conversions

Conversions Part 2

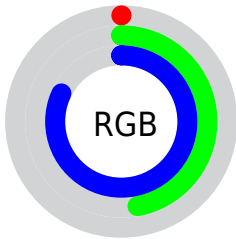
Format	Color
RYB	0, 77, 210
Decimal	31186
CIELab	49.89, 5.60, -53.52
CIELCh	50, 53.815, 275.969
Yxy	18.3279, 0.1841, 0.1827
Android (android.graphics.Color)	4278221266 (0xFF0079D2)
YUV	94.9670, 56.7113, -83.2861
Hunter-Lab	42.8111, 2.0917, -58.0258

Details

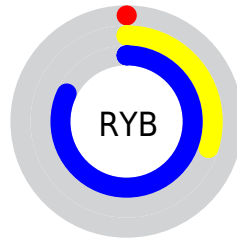
The XYZ color **18.4702, 18.3279, 63.5369** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **30.1549, 20.8541, 2.4372**, and the grayscale version is **10.7588, 11.3191, 12.3265**.

A 20% lighter version of the original color is **38.2491, 39.8165, 100.2771**, and **8.2989, 7.1316, 31.9495** is the 20% darker color. If you saturate the color by 10%, you get **18.4681, 18.3234, 63.5366**, and if you desaturate by 10%, it is **19.9129, 20.7525, 63.9293**.

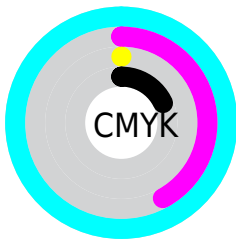
Distribution



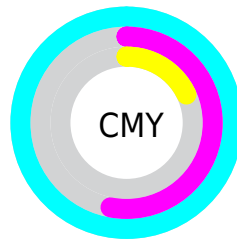
- Red (0%)
- Green (47%)
- Blue (82%)



- Red (0%)
- Yellow (30%)
- Blue (82%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (53%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4702, 18.3279, 63.5369 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 18.4702, 18.3279, 63.5369 by changing the saturation by 10% instead.

■ 18.4702, 18.3279,
63.5369

■ 18.4702, 18.3279,
63.5369

236.5028,
242.7128, 455.6769

■ 11.3898, 11.1857,
45.8319

■ 40.3608, 40.5953,
111.5368

■ 6.3989, 6.1919,
31.7655

■ 55.9016, 56.4892,
142.6687

■ 3.1321, 2.9621,
20.9191

■ 74.9934, 76.0691,
179.1134

■ 1.2240, 1.1120,
12.8742

■ 98.0014, 99.7195,
221.2894

■ 0.1252, 0.0000,
7.2123

■ 125.2910,
127.8246, 269.6152

■ 0.0000, 0.0000,
3.5148

157.2275,

■ 0.0000, 0.0000,

160.7690, 324.5093

1.3631

194.1763,
198.9369, 386.3904

■ 0.0000, 0.0000,
0.1127

■ 0.0000, 0.0000,
0.0000

■ 18.4702, 18.3279,
63.5369

■ 18.4702, 18.3279,
63.5369

■ 18.4681, 18.3234,
63.5366

■ 19.9129, 20.7525,
63.9293

■ 21.7940, 23.5551,
64.3711

■ 24.2297, 26.7993,
64.8689

■ 27.2840, 30.5218,
65.4265

■ 31.0114, 34.7540,
66.0469

■ 35.4597, 39.5240,
66.7331

■ 40.6722, 44.8572,
67.4878

■ 46.6883, 50.7773,
68.3134

■ 53.5448, 57.3062,
69.2123

Harmonies

Analogous

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



13.6907, 18.3279, 58.6790



18.4702, 18.3279, 63.5369



23.9074, 18.3279, 52.8323

Triad

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



18.4702, 18.3279, 63.5369



26.7262, 18.3279, 7.5038



9.8510, 18.3279, 10.4916

Complementary

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



18.4702, 18.3279, 63.5369



30.1549, 20.8541, 2.4372

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.



12.2274, 18.3279, 4.6786



18.4702, 18.3279, 63.5369



21.7719, 18.3279, 3.6446

Square

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



18.4702, 18.3279, 63.5369



29.2413, 18.3279, 17.1500



16.4106, 18.3279, 2.9520



9.3109, 18.3279, 23.0525

Rectangle

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



18.4702, 18.3279, 63.5369



26.9825, 18.3279, 40.4065



16.4106, 18.3279, 2.9520



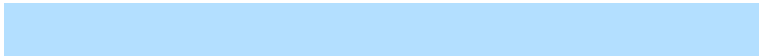
10.4350, 18.3279, 7.9205

Sweetspot

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



18.4710, 18.3284, 63.5374



62.7984, 69.2910, 104.6724



24.7892, 46.7906, 16.8551



12.6755, 14.0555, 22.2949



0.0000, 0.0000, 0.0000



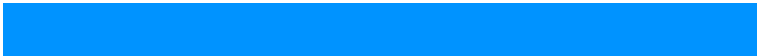
20.3446, 21.4041, 23.3091

Same Dimension

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



18.4710, 18.3284, 63.5374



28.4691, 28.0581, 98.5230



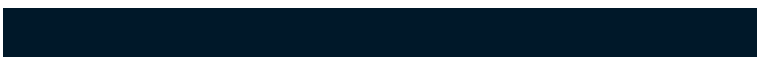
11.8425, 5.0714, 61.3279



11.7211, 12.5324, 15.0449



11.3667, 11.3799, 38.7900



0.7133, 0.7917, 2.1948

Inverse Universe

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



30.0303, 15.0832, 19.4180



46.4991, 23.3636, 29.6239



45.5393, 51.6230, 7.5654



12.0901, 11.9208, 13.7503



18.3681, 9.2201, 12.1105



1.0663, 0.5312, 0.8837

Previews

White Background



This preview shows how the XYZ color 18.4702, 18.3279, 63.5369 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 18.4702, 18.3279, 63.5369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

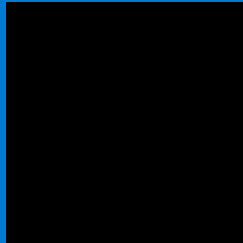
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4702, 18.3279, 63.5369

Background



This preview shows how black text looks on a background with the XYZ color 18.4702, 18.3279, 63.5369.



This preview shows how white text looks on a background with the XYZ color 18.4702, 18.3279,

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

18.4702, 18.3279, 63.5369

Protanopia

20.2543, 18.2834, 59.5883

Deuteranopia

18.9450, 18.3932, 63.5245



Tritanopia

12.8499, 18.1260, 27.6324

Trichromacy



Original Color

18.4702, 18.3279, 63.5369

Protanomaly

18.8173, 17.8569, 60.8475

Deuteranomaly

18.6378, 18.2348, 63.5101

Tritanomaly

14.3809, 17.8954, 38.2935

Monochromacy



Original Color

18.4702, 18.3279, 63.5369

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.3292, 12.6674, 25.5149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4702, 18.3279, 63.5369 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 210) }
```

Border

The CSS property to change the border of an element to XYZ 18.4702, 18.3279, 63.5369 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, 210) }
```


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

```
.border{ border-color:rgb(0, 121, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4702, 18.3279, 63.5369 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, 210) }
```

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

```
.background{ background-color: rgb(0, 121,  
210) }
```

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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