

Converting Colors

XYZ(11.9546, 15.1728, 62.6530)

Have a look what the booklet for
XYZ(11.9546, 15.1728, 62.6530)
contains.

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Color

**XYZ(18.4682, 18.5225,
62.9234)**

Conversions

Conversions Part 1

Format	Color
Hex	007AD1
RGB	0, 122, 209
RGB Percent	0%, 48%, 82%
CMY	0.9998, 0.5216, 0.1804
CMYK	1.00, 0.42, 0.00, 0.18
HSL	205°, 100%, 41%
HSV	205°, 100%, 82%
XYZ	18.4682, 18.5225, 62.9234
YIQ	95.4400, -100.6390, 1.1930

Conversions

Conversions Part 2

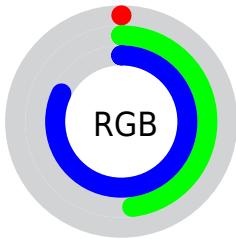
Format	Color
RYB	0, 77, 209
Decimal	31441
CIELab	50.12, 4.58, -52.58
CIELCh	50, 52.782, 274.982
Yxy	18.5225, 0.1848, 0.1854
Android (android.graphics.Color)	4278221521 (0xFF007AD1)
YUV	95.4400, 55.9851, -83.7009
Hunter-Lab	43.0378, 1.2811, -56.5585

Details

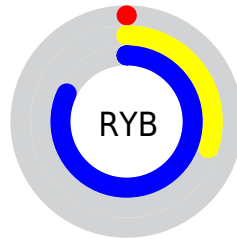
The XYZ color **18.4682, 18.5225, 62.9234** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **29.7076, 20.3807, 2.3697**, and the grayscale version is **10.8739, 11.4402, 12.4584**.

A 20% lighter version of the original color is **38.4416, 40.2014, 100.3413**, and **8.2815, 7.2307, 31.5310** is the 20% darker color. If you saturate the color by 10%, you get **18.4655, 18.5171, 62.9229**, and if you desaturate by 10%, it is **19.8934, 20.9153, 63.3106**.

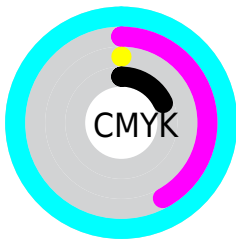
Distribution



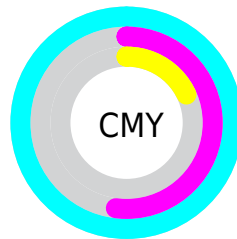
- Red (0%)
- Green (48%)
- Blue (82%)



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



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



- Cyan (100%)
- Magenta (52%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4682, 18.5225, 62.9234 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 18.4682, 18.5225, 62.9234 by changing the saturation by 10% instead.

■ 18.4682, 18.5225,
62.9234

■ 18.4682, 18.5225,
62.9234

236.4919,
243.7999, 453.3917

■ 11.3884, 11.3258,
45.3386

■ 40.3574, 40.9257,
110.6435

■ 6.3979, 6.2864,
31.3794

■ 55.8975, 56.9009,
141.6159

■ 3.1315, 3.0200,
20.6270

■ 74.9883, 76.5710,
177.8880

■ 1.2237, 1.1422,
12.6630

■ 97.9953, 100.3205,
219.8782

■ 0.1249, 0.0137,
7.0689

■ 125.2838,
128.5338, 268.0052

■ 0.0000, 0.0000,
3.4262

157.2192,

■ 0.0000, 0.0000,

161.5951, 322.6874

1.3161

194.1667,
199.8890, 384.3434

■ 0.0000, 0.0000,
0.0750

■ 0.0000, 0.0000,
0.0000

■ 18.4682, 18.5225,
62.9234

■ 18.4682, 18.5225,
62.9234

■ 18.4655, 18.5171,
62.9229

■ 19.8934, 20.9153,
63.3106

■ 21.7490, 23.6754,
63.7455

■ 24.1497, 26.8657,
64.2348

■ 27.1588, 30.5220,
64.7819

■ 30.8299, 34.6752,
65.3901

■ 35.2102, 39.3527,
66.0621

■ 40.3422, 44.5796,
66.8005

■ 46.2650, 50.3789,
67.6077

■ 53.0147, 56.7720,
68.4859

Harmonies

Analogous

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



13.7842, 18.5225, 57.6898



18.4682, 18.5225, 62.9234



23.8291, 18.5225, 52.9255

Triad

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



18.4682, 18.5225, 62.9234



26.8963, 18.5225, 7.9938



10.1461, 18.5225, 10.4897

Complementary

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



18.4682, 18.5225, 62.9234



29.7076, 20.3807, 2.3697

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.



12.5718, 18.5225, 4.8221



18.4682, 18.5225, 62.9234



22.0739, 18.5225, 3.9444

Square

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



18.4682, 18.5225, 62.9234



29.2572, 18.5225, 17.8318



16.7693, 18.5225, 3.1541



9.5483, 18.5225, 22.6995

Rectangle

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



18.4682, 18.5225, 62.9234



26.8916, 18.5225, 40.8905



16.7693, 18.5225, 3.1541



10.7483, 18.5225, 7.9860

Sweetspot

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



18.4690, 18.5230, 62.9239



62.9521, 69.5983, 104.7236



24.3872, 46.2359, 15.9514



12.7120, 14.1286, 22.3070



0.0000, 0.0000, 0.0000



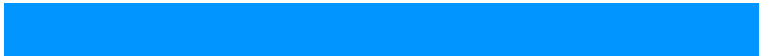
20.3446, 21.4041, 23.3091

Same Dimension

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



18.4690, 18.5230, 62.9239



28.7697, 28.6593, 98.6232



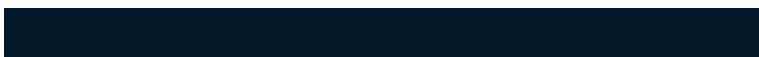
11.7766, 5.1383, 60.6931



11.7286, 12.5475, 15.0474



11.4845, 11.6157, 38.8292



0.7195, 0.8042, 2.1969

Inverse Universe

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



29.8082, 14.9617, 19.7294



46.6508, 23.4243, 30.4228



44.3009, 49.5673, 7.2341



12.0939, 11.9223, 13.7704



18.4276, 9.2439, 12.4238



1.0694, 0.5325, 0.9003

Previews

White Background



This preview shows how the XYZ color 18.4682, 18.5225, 62.9234 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 18.4682, 18.5225, 62.9234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

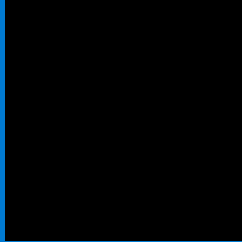
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4682, 18.5225, 62.9234

Background



This preview shows how black text looks on a background with the XYZ color 18.4682, 18.5225, 62.9234.

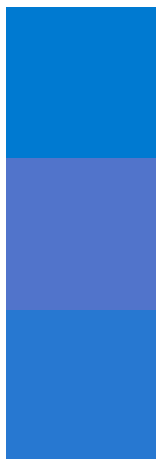


This preview shows how white text looks on a background with the XYZ color 18.4682, 18.5225,

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

18.4682, 18.5225, 62.9234

Protanopia

20.4182, 18.5519, 59.0046

Deuteranopia

19.0618, 18.4677, 62.8816



Tritanopia

13.0590, 18.4256, 28.0675

Trichromacy



Original Color

18.4682, 18.5225, 62.9234

Protanomaly

18.9141, 18.0947, 60.2534

Deuteranomaly

18.7469, 18.4849, 62.9015

Tritanomaly

14.6021, 18.1915, 38.8181

Monochromacy



Original Color

18.4682, 18.5225, 62.9234

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.3590, 12.8414, 25.1725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4682, 18.5225, 62.9234 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, 122, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 209)  
}
```

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, 122, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 209) }
```

Border

The CSS property to change the border of an element to XYZ 18.4682, 18.5225, 62.9234 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, 122, 209) }
```


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

```
.border{ border-color:rgb(0, 122, 209) }
```

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

Here you see how a box with a 4 pixel rgb(0, 122, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4682, 18.5225, 62.9234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 209) }
```

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

```
.background{ background-color: rgb(0, 122,  
209) }
```

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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