

Converting Colors

XYZ(12.0952, 15.5635, 61.8125)

Have a look what the booklet for
XYZ(12.0952, 15.5635, 61.8125)
contains.

XYZ(18.5928, 18.9694, 62.3560)	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(18.5928, 18.9694,
62.3560)**

Conversions

Conversions Part 1

Format	Color
Hex	007CD0
RGB	0, 124, 208
RGB Percent	0%, 49%, 82%
CMY	0.9998, 0.5137, 0.1843
CMYK	1.00, 0.40, 0.00, 0.18
HSL	204°, 100%, 41%
HSV	204°, 100%, 82%
XYZ	18.5928, 18.9694, 62.3560
YIQ	96.5000, -100.8680, -0.1640

Conversions

Conversions Part 2

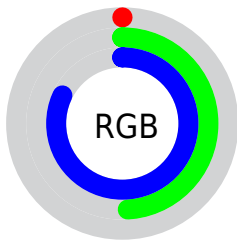
Format	Color
RYB	0, 78, 208
Decimal	31952
CIELab	50.65, 2.96, -51.17
CIELCh	51, 51.256, 273.310
Yxy	18.9694, 0.1861, 0.1898
Android (android.graphics.Color)	4278222032 (0xFF007CD0)
YUV	96.5000, 54.9695, -84.6305
Hunter-Lab	43.5539, -0.0191, -54.3977

Details

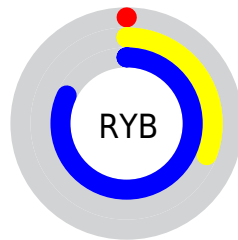
The XYZ color **18.5928, 18.9694, 62.3560** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **29.1866, 19.7576, 2.2766**, and the grayscale version is **11.1312, 11.7109, 12.7532**.

A 20% lighter version of the original color is **38.8309, 40.9800, 100.4711**, and **8.3342, 7.4688, 31.1394** is the 20% darker color. If you saturate the color by 10%, you get **18.5908, 18.9651, 62.3557**, and if you desaturate by 10%, it is **19.9972, 21.3238, 62.7369**.

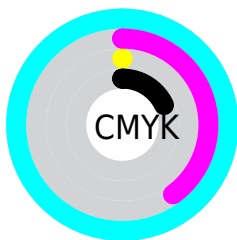
Distribution



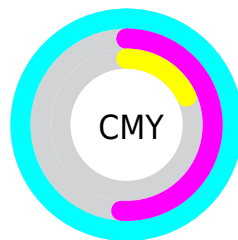
- Red (0%)
- Green (49%)
- Blue (82%)



- Red (0%)
- Yellow (31%)
- Blue (82%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (51%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5928, 18.9694, 62.3560 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 18.5928, 18.9694, 62.3560 by changing the saturation by 10% instead.

■ 18.5928, 18.9694,
62.3560

■ 18.5928, 18.9694,
62.3560

237.1730,
246.2798, 451.2719

■ 11.4787, 11.6482,
44.8828

■ 40.5671, 41.6824,
109.8165

■ 6.4594, 6.5046,
31.0228

■ 56.1580, 57.8429,
140.6408

■ 3.1697, 3.1543,
20.3576

■ 75.3052, 77.7187,
176.7525

■ 1.2441, 1.2128,
12.4686

■ 98.3740, 101.6941,
218.5703

■ 0.1408, 0.0721,
6.9373

■ 125.7298,
130.1535, 266.5126

■ 0.0000, 0.0000,
3.3450

157.7380,

■ 0.0000, 0.0000,

163.4813, 320.9979

1.2734

194.7640,
202.0620, 382.4448

■ 0.0000, 0.0000,
0.0398

■ 0.0000, 0.0000,
0.0000

■ 18.5928, 18.9694,
62.3560

■ 18.5928, 18.9694,
62.3560

■ 18.5908, 18.9651,
62.3557

■ 19.9972, 21.3238,
62.7369

■ 21.8217, 24.0311,
63.1633

■ 24.1800, 27.1529,
63.6415

■ 27.1343, 30.7245,
64.1752

■ 30.7374, 34.7759,
64.7673

■ 35.0358, 39.3339,
65.4205

■ 40.0714, 44.4227,
66.1374

■ 45.8825, 50.0649,
66.9201

■ 52.5046, 56.2813,
67.7710

Harmonies

Analogous

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



14.0334, 18.9694, 56.4949



18.5928, 18.9694, 62.3560



23.8657, 18.9694, 53.4310

Triad

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



18.5928, 18.9694, 62.3560



27.3570, 18.9694, 8.8909



10.7091, 18.9694, 10.5615

Complementary

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



18.5928, 18.9694, 62.3560



29.1866, 19.7576, 2.2766

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.



13.2325, 18.9694, 5.0971



18.5928, 18.9694, 62.3560



22.7210, 18.9694, 4.4947

Square

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



18.5928, 18.9694, 62.3560



29.4819, 18.9694, 19.0994



17.4784, 18.9694, 3.5254



10.0098, 18.9694, 22.2917

Rectangle

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



18.5928, 18.9694, 62.3560



26.9281, 18.9694, 41.9592



17.4784, 18.9694, 3.5254



11.3458, 18.9694, 8.1511

Sweetspot

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



18.5936, 18.9700, 62.3565



63.2074, 70.1090, 104.8087



24.1267, 45.7404, 15.7869



12.7728, 14.2500, 22.3273



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.



18.5936, 18.9700, 62.3565



29.2779, 29.6758, 98.7926



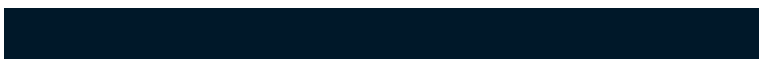
11.6511, 5.0849, 60.0423



11.7412, 12.5726, 15.0516



11.6837, 12.0139, 38.8956



0.7300, 0.8252, 2.2004

Inverse Universe

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



29.6513, 14.8662, 20.3758



46.9073, 23.5269, 31.7737



43.8267, 49.0378, 7.1566



12.1002, 11.9248, 13.8037



18.5281, 9.2841, 12.9531



1.0747, 0.5346, 0.9282

Previews

White Background



This preview shows how the XYZ color 18.5928, 18.9694, 62.3560 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 18.5928, 18.9694, 62.3560 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 18.5928, 18.9694, 62.3560

Background



This preview shows how black text looks on a background with the XYZ color 18.5928, 18.9694, 62.3560.



This preview shows how white text looks on a background with the XYZ color 18.5928, 18.9694,

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

18.5928, 18.9694, 62.3560

Protanopia

20.7683, 18.9181, 58.4341

Deuteranopia

19.7348, 19.1755, 62.9827



Tritanopia

13.4830, 19.0334, 28.9498

Trichromacy



Original Color

18.5928, 18.9694, 62.3560

Protanomaly

19.1369, 18.5768, 59.7038

Deuteranomaly

19.1567, 19.0607, 62.9910

Tritanomaly

14.9577, 18.7553, 39.3910

Monochromacy



Original Color

18.5928, 18.9694, 62.3560

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.7597, 13.3457, 25.6231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5928, 18.9694, 62.3560 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, 124, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 208)  
}
```

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, 124, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 208) }
```

Border

The CSS property to change the border of an element to XYZ 18.5928, 18.9694, 62.3560 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, 124, 208) }
```


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

```
.border{ border-color:rgb(0, 124, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 124, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5928, 18.9694, 62.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 208) }
```

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

```
.background{ background-color: rgb(0, 124,  
208) }
```

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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