

Converting Colors

XYZ(17.6827, 18.7406, 59.2482)

Have a look what the booklet for
XYZ(17.6827, 18.7406, 59.2482)
contains.

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Color

**XYZ(18.1131, 18.9790,
59.2086)**

Conversions

Conversions Part 1

Format	Color
Hex	007DCB
RGB	0, 125, 203
RGB Percent	0%, 49%, 80%
CMY	0.9998, 0.5098, 0.2039
CMYK	1.00, 0.38, 0.00, 0.20
HSL	203°, 100%, 40%
HSV	203°, 100%, 80%
XYZ	18.1131, 18.9790, 59.2086
YIQ	96.5170, -99.5380, -2.2420

Conversions

Conversions Part 2

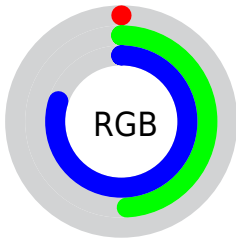
Format	Color
RYB	0, 77, 203
Decimal	32203
CIELab	50.66, 0.39, -48.31
CIELCh	51, 48.310, 270.466
Yxy	18.9790, 0.1881, 0.1971
Android (android.graphics.Color)	4278222283 (0xFF007DCB)
YUV	96.5170, 52.4961, -84.6454
Hunter-Lab	43.5649, -2.0231, -50.0850

Details

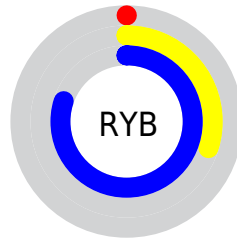
The XYZ color **18.1131, 18.9790, 59.2086** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **27.3567, 18.1520, 2.0631**, and the grayscale version is **11.1409, 11.7211, 12.7643**.

A 20% lighter version of the original color is **38.8091, 41.2610, 100.5264**, and **7.9992, 7.4459, 29.0326** is the 20% darker color. If you saturate the color by 10%, you get **18.1111, 18.9748, 59.2083**, and if you desaturate by 10%, it is **19.4357, 21.1853, 59.5652**.

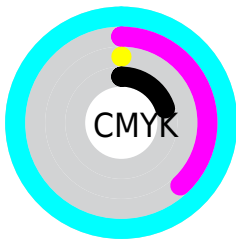
Distribution



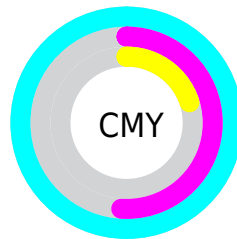
- Red (0%)
- Green (49%)
- Blue (80%)



- Red (0%)
- Yellow (30%)
- Blue (80%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (20%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1131, 18.9790, 59.2086 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 18.1131, 18.9790, 59.2086 by changing the saturation by 10% instead.

■ 18.1131, 18.9790,
59.2086

■ 18.1131, 18.9790,
59.2086

234.5410,
246.3328, 439.3979

■ 11.1314, 11.6551,
42.3599

■ 39.7585, 41.6986,
105.2129

■ 6.2232, 6.5093,
29.0556

■ 55.1530, 57.8631,
135.2056

■ 3.0232, 3.1572,
18.8769

■ 74.0823, 77.7433,
170.4167

■ 1.1661, 1.2143,
11.4055

■ 96.9120, 101.7235,
211.2649

■ 0.0793, 0.0734,
6.2227

■ 124.0074,
130.1882, 258.1685

■ 0.0000, 0.0000,
2.9100

155.7338,

■ 0.0000, 0.0000,

163.5217, 311.5462

1.0489

192.4565,
202.1084, 371.8165

■ 0.0000, 0.0000,
0.0000

■ 18.1131, 18.9790,
59.2086

■ 18.1131, 18.9790,
59.2086

■ 18.1111, 18.9748,
59.2083

■ 19.4357, 21.1853,
59.5652

■ 21.1466, 23.7093,
59.9622

■ 23.3544, 26.6097,
60.4056

■ 26.1174, 29.9188,
60.8988

■ 29.4849, 33.6645,
61.4443

■ 33.5005, 37.8715,
62.0446

■ 38.2033, 42.5621,
62.7022

■ 43.6291, 47.7569,
63.4189

■ 49.8114, 53.4754,
64.1968

Harmonies

Analogous

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



13.9153, 18.9790, 52.6393



18.1131, 18.9790, 59.2086



23.0567, 18.9790, 52.2448

Triad

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



18.1131, 18.9790, 59.2086



27.0728, 18.9790, 10.0685



11.2241, 18.9790, 10.2975

Complementary

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



18.1131, 18.9790, 59.2086



27.3567, 18.1520, 2.0631

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.



13.8078, 18.9790, 5.3592



18.1131, 18.9790, 59.2086



22.9060, 18.9790, 5.2735

Square

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



18.1131, 18.9790, 59.2086



28.7528, 18.9790, 20.4536



17.9650, 18.9790, 4.0255



10.3845, 18.9790, 20.8776

Rectangle

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



18.1131, 18.9790, 59.2086



26.0056, 18.9790, 42.0853



17.9650, 18.9790, 4.0255



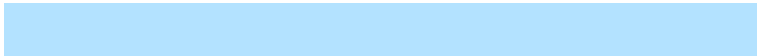
11.8922, 18.9790, 8.1202

Sweetspot

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



18.1139, 18.9796, 59.2091



63.6126, 70.9194, 104.9438



22.7263, 43.2604, 14.3309



12.8692, 14.4429, 22.3594



0.0000, 0.0000, 0.0000



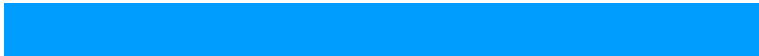
20.3446, 21.4041, 23.3091

Same Dimension

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



18.1139, 18.9796, 59.2091



30.1067, 31.3333, 99.0689



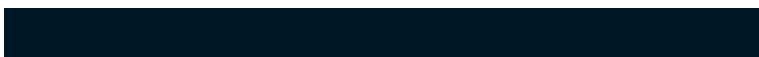
11.1011, 4.9541, 56.8715



11.1671, 11.9747, 14.2931



11.6162, 12.2563, 37.7097



0.6713, 0.7764, 1.9694

Inverse Universe

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



28.3310, 14.1783, 20.6458



47.3256, 23.6943, 33.9766



40.8139, 45.0664, 6.5489



11.4977, 11.3278, 13.1556



18.0742, 9.0403, 13.3754



0.9688, 0.4809, 0.8816

Previews

White Background



This preview shows how the XYZ color 18.1131, 18.9790, 59.2086 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 18.1131, 18.9790, 59.2086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

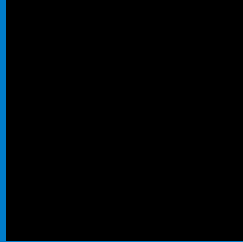
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.1131, 18.9790, 59.2086

Background



This preview shows how black text looks on a background with the XYZ color 18.1131, 18.9790, 59.2086.

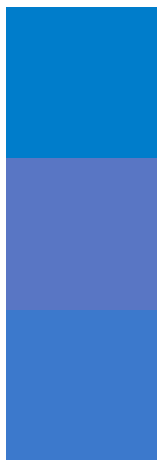


This preview shows how white text looks on a background with the XYZ color 18.1131, 18.9790,

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

18.1131, 18.9790, 59.2086

Protanopia

20.5621, 19.0662, 54.8210

Deuteranopia

19.5999, 18.9950, 59.7601



Tritanopia

13.4830, 19.0334, 28.9498

Trichromacy



Original Color

18.1131, 18.9790, 59.2086

Protanomaly

18.8335, 18.6681, 56.6435

Deuteranomaly

18.6579, 18.6908, 59.7510

Tritanomaly

14.9078, 18.9492, 38.4691

Monochromacy



Original Color

18.1131, 18.9790, 59.2086

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.6882, 13.3171, 25.2470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1131, 18.9790, 59.2086 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, 125, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 203)  
}
```

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, 125, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 203) }
```

Border

The CSS property to change the border of an element to XYZ 18.1131, 18.9790, 59.2086 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, 125, 203) }
```


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

```
.border{ border-color:rgb(0, 125, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1131, 18.9790, 59.2086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 203) }
```

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

```
.background{ background-color: rgb(0, 125,  
203) }
```

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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