

Converting Colors

XYZ(18.1720, 18.9055, 59.8181)

Have a look what the booklet for
XYZ(18.1720, 18.9055, 59.8181)
contains.

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Color

**XYZ(18.2327, 19.0269,
59.8383)**

Conversions

Conversions Part 1

Format	Color
Hex	007DCC
RGB	0, 125, 204
RGB Percent	0%, 49%, 80%
CMY	0.9998, 0.5098, 0.2000
CMYK	1.00, 0.39, 0.00, 0.20
HSL	203°, 100%, 40%
HSV	203°, 100%, 80%
XYZ	18.2327, 19.0269, 59.8383
YIQ	96.6310, -99.8590, -1.9310

Conversions

Conversions Part 2

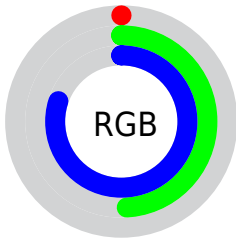
Format	Color
RYB	0, 78, 204
Decimal	32204
CIELab	50.72, 0.78, -48.79
CIELCh	51, 48.795, 270.920
Yxy	19.0269, 0.1878, 0.1960
Android (android.graphics.Color)	4278222284 (0xFF007DCC)
YUV	96.6310, 52.9329, -84.7454
Hunter-Lab	43.6198, -1.7233, -50.8010

Details

The XYZ color **18.2327, 19.0269, 59.8383** 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 **27.7014, 18.4359, 2.0997**, and the grayscale version is **11.1676, 11.7492, 12.7949**.

A 20% lighter version of the original color is **38.9177, 41.3169, 100.5315**, and **8.0787, 7.4777, 29.4513** is the 20% darker color. If you saturate the color by 10%, you get **18.2307, 19.0228, 59.8380**, and if you desaturate by 10%, it is **19.5710, 21.2616, 60.1995**.

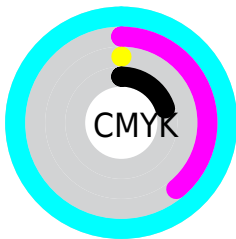
Distribution



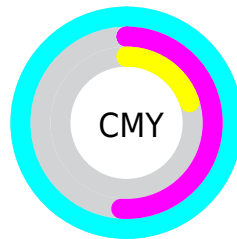
- Red (0%)
- Green (49%)
- Blue (80%)



- 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 18.2327, 19.0269, 59.8383 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 18.2327, 19.0269, 59.8383 by changing the saturation by 10% instead.

■ 18.2327, 19.0269,
59.8383

■ 18.2327, 19.0269,
59.8383

235.1997,
246.5972, 441.7896

■ 11.2179, 11.6897,
42.8639

■ 39.9604, 41.7795,
106.1361

■ 6.2820, 6.5328,
29.4477

■ 55.4040, 57.9638,
136.2966

■ 3.0596, 3.1717,
19.1713

■ 74.3880, 77.8659,
171.6896

■ 1.1853, 1.2220,
11.6160

■ 97.2776, 101.8701,
212.7334

■ 0.0947, 0.0796,
6.3635

■ 124.4382,
130.3610, 259.8469

■ 0.0000, 0.0000,
2.9950

156.2352,

■ 0.0000, 0.0000,

163.7229, 313.4483

1.0921

193.0339,
202.3402, 373.9564

■ 0.0000, 0.0000,
0.0000

■ 18.2327, 19.0269,
59.8383

■ 18.2327, 19.0269,
59.8383

■ 18.2307, 19.0228,
59.8380

■ 19.5710, 21.2616,
60.1995

■ 21.3035, 23.8201,
60.6021

■ 23.5398, 26.7616,
61.0520

■ 26.3388, 30.1191,
61.5525

■ 29.7506, 33.9208,
62.1065

■ 33.8193, 38.1917,
62.7164

■ 38.5846, 42.9545,
63.3846

■ 44.0828, 48.2303,
64.1131

■ 50.3477, 54.0386,
64.9040

Harmonies

Analogous

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



13.9692, 19.0269, 53.3543



18.2327, 19.0269, 59.8383



23.2390, 19.0269, 52.5629

Triad

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



18.2327, 19.0269, 59.8383



27.1870, 19.0269, 9.9085



11.1735, 19.0269, 10.3637

Complementary

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



18.2327, 19.0269, 59.8383



27.7014, 18.4359, 2.0997

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.



13.7548, 19.0269, 5.3321



18.2327, 19.0269, 59.8383



22.9377, 19.0269, 5.1626

Square

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



18.2327, 19.0269, 59.8383



28.9386, 19.0269, 20.2966



17.9371, 19.0269, 3.9564



10.3535, 19.0269, 21.1432

Rectangle

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



18.2327, 19.0269, 59.8383



26.2129, 19.0269, 42.1774



17.9371, 19.0269, 3.9564



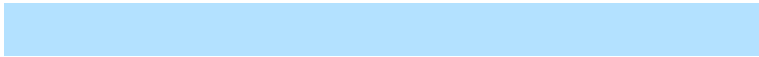
11.8385, 19.0269, 8.1454

Sweetspot

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



18.2335, 19.0275, 59.8388



63.5501, 70.7943, 104.9230



22.9769, 43.7397, 14.4822



12.8543, 14.4131, 22.3545



0.0000, 0.0000, 0.0000



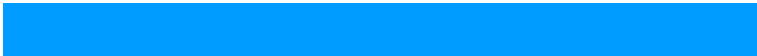
20.3446, 21.4041, 23.3091

Same Dimension

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



18.2335, 19.0275, 59.8388



29.9770, 31.0740, 99.0257



11.2231, 5.0066, 57.5020



11.1642, 11.9689, 14.2922



11.5672, 12.1583, 37.6934



0.6690, 0.7717, 1.9686

Inverse Universe

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



28.6042, 14.3191, 20.6587



47.2602, 23.6681, 33.6319



41.2651, 45.5632, 6.6210



11.4963, 11.3272, 13.1479



18.0495, 9.0304, 13.2452



0.9676, 0.4805, 0.8754

Previews

White Background



This preview shows how the XYZ color 18.2327, 19.0269, 59.8383 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 18.2327, 19.0269, 59.8383 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

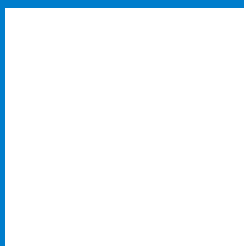
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2327, 19.0269, 59.8383

Background



This preview shows how black text looks on a background with the XYZ color 18.2327, 19.0269, 59.8383.

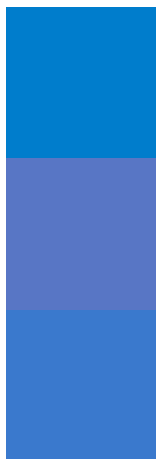


This preview shows how white text looks on a background with the XYZ color 18.2327, 19.0269,

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

18.2327, 19.0269, 59.8383

Protanopia

20.5810, 19.0628, 55.4181

Deuteranopia

19.6017, 18.9821, 60.3884



Tritanopia

13.4830, 19.0334, 28.9498

Trichromacy



Original Color

18.2327, 19.0269, 59.8383

Protanomaly

18.8936, 18.6856, 57.2545

Deuteranomaly

18.7419, 18.7202, 60.3832

Tritanomaly

14.9078, 18.9492, 38.4691

Monochromacy



Original Color

18.2327, 19.0269, 59.8383

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 18.2327, 19.0269, 59.8383 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 204) }
```

Border

The CSS property to change the border of an element to XYZ 18.2327, 19.0269, 59.8383 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, 204) }
```


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

```
.border{ border-color:rgb(0, 125, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2327, 19.0269, 59.8383 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, 204) }
```

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

```
.background{ background-color: rgb(0, 125,  
204) }
```

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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