

Converting Colors

XYZ(18.3089, 19.1792, 59.8637)

Have a look what the booklet for
XYZ(18.3089, 19.1792, 59.8637)
contains.

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Color

**XYZ(18.3599, 19.2813,
59.8807)**

Conversions

Conversions Part 1

Format	Color
Hex	007ECC
RGB	0, 126, 204
RGB Percent	0%, 49%, 80%
CMY	0.9998, 0.5059, 0.2000
CMYK	1.00, 0.38, 0.00, 0.20
HSL	203°, 100%, 40%
HSV	203°, 100%, 80%
XYZ	18.3599, 19.2813, 59.8807
YIQ	97.2180, -100.1340, -2.4540

Conversions

Conversions Part 2

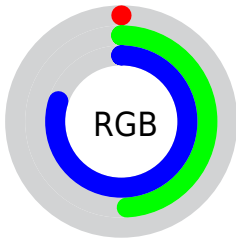
Format	Color
RYB	0, 78, 204
Decimal	32460
CIELab	51.01, 0.18, -48.32
CIELCh	51, 48.317, 270.209
Yxy	19.2813, 0.1883, 0.1977
Android (android.graphics.Color)	4278222540 (0xFF007ECC)
YUV	97.2180, 52.6435, -85.2602
Hunter-Lab	43.9105, -2.2087, -50.1164

Details

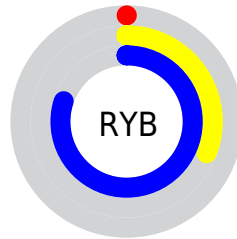
The XYZ color **18.3599, 19.2813, 59.8807** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **27.6298, 18.2927, 2.0759**, and the grayscale version is **11.3116, 11.9007, 12.9599**.

A 20% lighter version of the original color is **39.1160, 41.7134, 100.5976**, and **8.1492, 7.6187, 29.4748** is the 20% darker color. If you saturate the color by 10%, you get **18.3579, 19.2772, 59.8805**, and if you desaturate by 10%, it is **19.6946, 21.5088, 60.2407**.

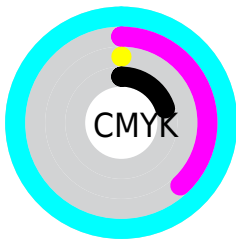
Distribution



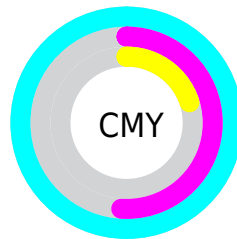
- Red (0%)
- Green (49%)
- Blue (80%)



- Red (0%)
- Yellow (31%)
- 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 18.3599, 19.2813, 59.8807 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 18.3599, 19.2813, 59.8807 by changing the saturation by 10% instead.

■ 18.3599, 19.2813,
59.8807

■ 18.3599, 19.2813,
59.8807

235.8984,
247.9973, 441.9503

■ 11.3099, 11.8737,
42.8978

■ 40.1749, 42.2089,
106.1983

■ 6.3445, 6.6577,
29.4741

■ 55.6707, 58.4977,
136.3700

■ 3.0983, 3.2490,
19.1911

■ 74.7125, 78.5157,
171.7752

■ 1.2060, 1.2631,
11.6303

■ 97.6656, 102.6473,
212.8322

■ 0.1111, 0.1123,
6.3730

■ 124.8953,
131.2768, 259.9597

■ 0.0000, 0.0000,
3.0007

156.7672,

■ 0.0000, 0.0000,

164.7887, 313.5762

1.0950

193.6464,
203.5675, 374.1002

■ 0.0000, 0.0000,
0.0000

■ 18.3599, 19.2813,
59.8807

■ 18.3599, 19.2813,
59.8807

■ 18.3579, 19.2772,
59.8805

■ 19.6946, 21.5088,
60.2407

■ 21.4217, 24.0563,
60.6414

■ 23.6505, 26.9831,
61.0889

■ 26.4402, 30.3219,
61.5863

■ 29.8406, 34.1007,
62.1365

■ 33.8957, 38.3445,
62.7419

■ 38.6453, 43.0760,
63.4048

■ 44.1256, 48.3159,
64.1274

■ 50.3702, 54.0837,
64.9115

Harmonies

Analogous

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



14.1264, 19.2813, 53.1499



18.3599, 19.2813, 59.8807



23.3539, 19.2813, 52.9714

Triad

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



18.3599, 19.2813, 59.8807



27.4780, 19.2813, 10.3348



11.4478, 19.2813, 10.4390

Complementary

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



18.3599, 19.2813, 59.8807



27.6298, 18.2927, 2.0759

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.



14.0776, 19.2813, 5.4677



18.3599, 19.2813, 59.8807



23.2856, 19.2813, 5.4286

Square

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



18.3599, 19.2813, 59.8807



29.1467, 19.2813, 20.8980



18.2927, 19.2813, 4.1350



10.5825, 19.2813, 21.0904

Rectangle

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



18.3599, 19.2813, 59.8807



26.3398, 19.2813, 42.7634



18.2927, 19.2813, 4.1350



12.1292, 19.2813, 8.2469

Sweetspot

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



18.3607, 19.2819, 59.8812



63.6518, 70.9977, 104.9569



22.8577, 43.6920, 13.8546



12.8786, 14.4616, 22.3625



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.



18.3607, 19.2819, 59.8812



30.1882, 31.4964, 99.0961



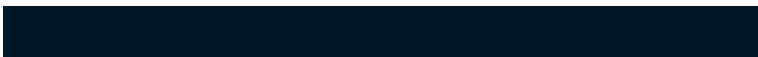
11.2972, 5.1548, 57.5267



11.1689, 11.9783, 14.2937



11.6470, 12.3180, 37.7200



0.6728, 0.7793, 1.9699

Inverse Universe

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



28.6685, 14.3448, 20.9968



47.3668, 23.7107, 34.1933



40.5862, 44.2055, 6.3947



11.4986, 11.3282, 13.1604



18.0898, 9.0465, 13.4573



0.9695, 0.4812, 0.8855

Previews

White Background



This preview shows how the XYZ color 18.3599, 19.2813, 59.8807 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 18.3599, 19.2813, 59.8807 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 18.3599, 19.2813, 59.8807

Background



This preview shows how black text looks on a background with the XYZ color 18.3599, 19.2813, 59.8807.



This preview shows how white text looks on a background with the XYZ color 18.3599, 19.2813,

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

18.3599, 19.2813, 59.8807

Protanopia

20.7729, 19.1617, 55.4271

Deuteranopia

19.9034, 19.3189, 60.4375



Tritanopia

13.6980, 19.3416, 29.3969

Trichromacy



Original Color

18.3599, 19.2813, 59.8807

Protanomaly

18.9500, 18.7147, 57.2571

Deuteranomaly

18.9391, 19.0050, 60.4277

Tritanomaly

15.1342, 19.2557, 38.9955

Monochromacy



Original Color

18.3599, 19.2813, 59.8807

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.7931, 13.5268, 25.2819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3599, 19.2813, 59.8807 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, 126, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 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, 126, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 204) }
```

Border

The CSS property to change the border of an element to XYZ 18.3599, 19.2813, 59.8807 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, 126, 204) }
```


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

```
.border{ border-color:rgb(0, 126, 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, 126, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3599, 19.2813, 59.8807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 204) }
```

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

```
.background{ background-color: rgb(0, 126,  
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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