

Converting Colors

XYZ(18.5053, 19.5721, 59.9292)

Have a look what the booklet for
XYZ(18.5053, 19.5721, 59.9292)
contains.

XYZ(18.4885, 19.5384, 59.9236)	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(18.4885, 19.5384,
59.9236)**

Conversions

Conversions Part 1

Format	Color
Hex	007FCC
RGB	0, 127, 204
RGB Percent	0%, 50%, 80%
CMY	0.9998, 0.5020, 0.2000
CMYK	1.00, 0.38, 0.00, 0.20
HSL	203°, 100%, 40%
HSV	203°, 100%, 80%
XYZ	18.4885, 19.5384, 59.9236
YIQ	97.8050, -100.4090, -2.9770

Conversions

Conversions Part 2

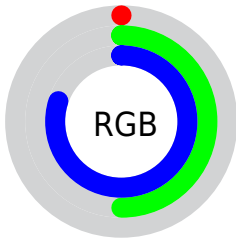
Format	Color
RYB	0, 78, 204
Decimal	32716
CIELab	51.31, -0.43, -47.84
CIELCh	51, 47.847, 269.487
Yxy	19.5384, 0.1888, 0.1995
Android (android.graphics.Color)	4278222796 (0xFF007FCC)
YUV	97.8050, 52.3541, -85.7750
Hunter-Lab	44.2023, -2.6927, -49.4360

Details

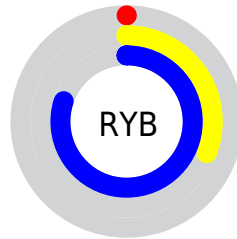
The XYZ color **18.4885, 19.5384, 59.9236** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **27.5596, 18.1522, 2.0526**, and the grayscale version is **11.4570, 12.0537, 13.1265**.

A 20% lighter version of the original color is **39.3157, 42.1128, 100.6642**, and **8.2208, 7.7619, 29.4987** is the 20% darker color. If you saturate the color by 10%, you get **18.4863, 19.5339, 59.9233**, and if you desaturate by 10%, it is **19.8195, 21.7583, 60.2824**.

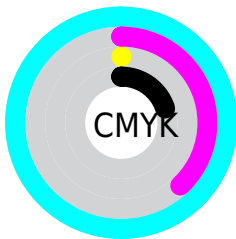
Distribution



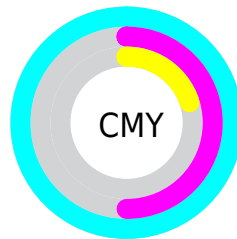
- Red (0%)
- Green (50%)
- Blue (80%)



- Red (0%)
- Yellow (31%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (50%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4885, 19.5384, 59.9236 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 18.4885, 19.5384, 59.9236 by changing the saturation by 10% instead.

■ 18.4885, 19.5384,
59.9236

■ 18.4885, 19.5384,
59.9236

236.6029,
249.4051, 442.1129

■ 11.4031, 12.0600,
42.9322

■ 40.3916, 42.6419,
106.2611

■ 6.4079, 6.7845,
29.5009

■ 55.9399, 59.0358,
136.4443

■ 3.1377, 3.3277,
19.2112

■ 75.0400, 79.1702,
171.8618

■ 1.2270, 1.3051,
11.6446

■ 98.0571, 103.4296,
212.9321

■ 0.1275, 0.1452,
6.3826

■ 125.3565,
132.1985, 260.0739

■ 0.0000, 0.0000,
3.0066

157.3038,

■ 0.0000, 0.0000,

165.8610, 313.7056

1.0980

194.2641,
204.8018, 374.2457

■ 0.0000, 0.0000,
0.0000

■ 18.4885, 19.5384,
59.9236

■ 18.4885, 19.5384,
59.9236

■ 18.4863, 19.5339,
59.9233

■ 19.8195, 21.7583,
60.2824

■ 21.5410, 24.2947,
60.6812

■ 23.7624, 27.2064,
61.1262

■ 26.5426, 30.5262,
61.6204

■ 29.9316, 34.2820,
62.1667

■ 33.9733, 38.4987,
62.7676

■ 38.7072, 43.1986,
63.4253

■ 44.1697, 48.4027,
64.1419

■ 50.3942, 54.1301,
64.9193

Harmonies

Analogous

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



14.2855, 19.5384, 52.9475



18.4885, 19.5384, 59.9236



23.4701, 19.5384, 53.3815

Triad

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



18.4885, 19.5384, 59.9236



27.7712, 19.5384, 10.7728



11.7267, 19.5384, 10.5156

Complementary

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



18.4885, 19.5384, 59.9236



27.5596, 18.1522, 2.0526

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.



14.4055, 19.5384, 5.6062



18.4885, 19.5384, 59.9236



23.6370, 19.5384, 5.7036

Square

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



18.4885, 19.5384, 59.9236



29.3562, 19.5384, 21.5105



18.6531, 19.5384, 4.3191



10.8152, 19.5384, 21.0392

Rectangle

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



18.4885, 19.5384, 59.9236



26.4680, 19.5384, 43.3540



18.6531, 19.5384, 4.3191



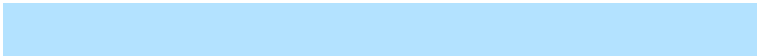
12.4249, 19.5384, 8.3501

Sweetspot

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



18.4893, 19.5390, 59.9241



63.7536, 71.2013, 104.9908



22.8579, 43.6921, 13.8551



12.9028, 14.5101, 22.3706



0.0000, 0.0000, 0.0000



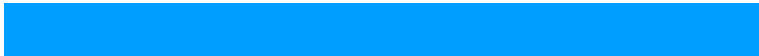
20.3446, 21.4041, 23.3091

Same Dimension

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



18.4893, 19.5390, 59.9241



30.4013, 31.9226, 99.1671



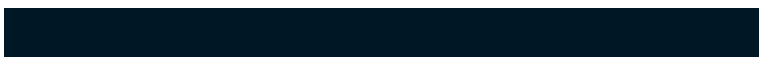
11.2973, 5.1550, 57.5268



11.1736, 11.9876, 14.2953



11.7275, 12.4789, 37.7468



0.6766, 0.7870, 1.9712

Inverse Universe

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



28.7334, 14.3709, 21.3385



47.4744, 23.7538, 34.7598



40.5864, 44.2058, 6.3948



11.5010, 11.3291, 13.1728



18.1304, 9.0627, 13.6712



0.9715, 0.4820, 0.8956

Previews

White Background



This preview shows how the XYZ color 18.4885, 19.5384, 59.9236 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 18.4885, 19.5384, 59.9236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

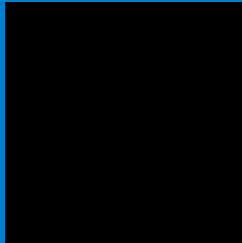
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4885, 19.5384, 59.9236

Background



This preview shows how black text looks on a background with the XYZ color 18.4885, 19.5384, 59.9236.



This preview shows how white text looks on a background with the XYZ color 18.4885, 19.5384,

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

18.4885, 19.5384, 59.9236

Protanopia

20.9893, 19.4490, 55.4711

Deuteranopia

20.2168, 19.6637, 60.4875



Tritanopia

13.7748, 19.3723, 29.8013

Trichromacy



Original Color

18.4885, 19.5384, 59.9236

Protanomaly

19.1298, 18.9887, 57.3005

Deuteranomaly

19.1415, 19.2945, 60.4730

Tritanomaly

15.1342, 19.2557, 38.9955

Monochromacy



Original Color

18.4885, 19.5384, 59.9236

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9706, 13.7676, 25.6934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4885, 19.5384, 59.9236 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, 127, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 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, 127, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 204) }
```

Border

The CSS property to change the border of an element to XYZ 18.4885, 19.5384, 59.9236 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, 127, 204) }
```


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

```
.border{ border-color:rgb(0, 127, 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, 127, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4885, 19.5384, 59.9236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 204) }
```

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

```
.background{ background-color: rgb(0, 127,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor