

Converting Colors

XYZ(16.7999, 18.1977, 66.9368)

Have a look what the booklet for
XYZ(16.7999, 18.1977, 66.9368)
contains.

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Color

**XYZ(19.5994, 19.5735,
67.0351)**

Conversions

Conversions Part 1

Format	Color
Hex	007DD7
RGB	0, 125, 215
RGB Percent	0%, 49%, 84%
CMY	0.9998, 0.5098, 0.1569
CMYK	1.00, 0.42, 0.00, 0.16
HSL	205°, 100%, 42%
HSV	205°, 100%, 84%
XYZ	19.5994, 19.5735, 67.0351
YIQ	97.8850, -103.3900, 1.4900

Conversions

Conversions Part 2

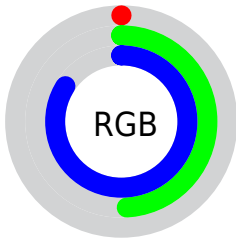
Format	Color
RYB	0, 79, 215
Decimal	32215
CIELab	51.35, 5.09, -54.02
CIELCh	51, 54.257, 275.381
Yxy	19.5735, 0.1845, 0.1843
Android (android.graphics.Color)	4278222295 (0xFF007DD7)
YUV	97.8850, 57.7377, -85.8451
Hunter-Lab	44.2419, 1.6530, -58.8664

Details

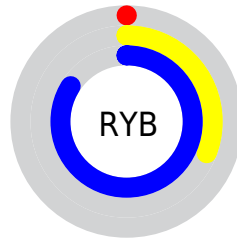
The XYZ color **19.5994, 19.5735, 67.0351** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **31.6859, 21.7693, 2.5335**, and the grayscale version is **11.4649, 12.0620, 13.1355**.

A 20% lighter version of the original color is **39.1390, 41.4310, 100.5419**, and **8.9990, 7.8458, 34.2978** is the 20% darker color. If you saturate the color by 10%, you get **19.5965, 19.5677, 67.0346**, and if you desaturate by 10%, it is **21.1125, 22.1229, 67.4479**.

Distribution



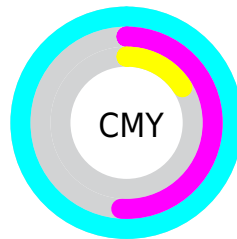
- Red (0%)
- Green (49%)
- Blue (84%)



- Red (0%)
- Yellow (31%)
- Blue (84%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (51%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5994, 19.5735, 67.0351 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 19.5994, 19.5735, 67.0351 by changing the saturation by 10% instead.

■ 19.5994, 19.5735,
67.0351

■ 19.5994, 19.5735,
67.0351

242.6132,
249.5968, 468.5746

■ 12.2107, 12.0854,
48.6514

■ 42.2536, 42.7010,
116.6118

■ 6.9606, 6.8019,
33.9794

■ 58.2499, 59.1091,
148.6419

■ 3.4836, 3.3385,
22.6005

■ 77.8461, 79.2594,
186.0579

■ 1.4143, 1.3109,
14.0963

■ 101.4075,
103.5362, 229.2782

■ 0.2664, 0.1496,
8.0481

■ 129.2996,
132.3240, 278.7216

■ 0.0000, 0.0000,
4.0376

161.8877,

■ 0.0000, 0.0000,

166.0071, 334.8064

1.6460

199.5371,
204.9699, 397.9512

■ 0.0000, 0.0000,
0.3233

■ 0.0000, 0.0000,
0.0000

■ 19.5994, 19.5735,
67.0351

■ 19.5994, 19.5735,
67.0351

■ 19.5965, 19.5677,
67.0346

■ 21.1125, 22.1229,
67.4479

■ 23.0878, 25.0677,
67.9122

■ 25.6461, 28.4741,
68.4349

■ 28.8555, 32.3808,
69.0198

■ 32.7736, 36.8210,
69.6703

■ 37.4509, 41.8242,
70.3895

■ 42.9333, 47.4173,
71.1801

■ 49.2625, 53.6250,
72.0447

■ 56.4773, 60.4706,
72.9858

Harmonies

Analogous

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



14.5881, 19.5735, 61.6394



19.5994, 19.5735, 67.0351



25.3208, 19.5735, 56.1260

Triad

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



19.5994, 19.5735, 67.0351



28.4705, 19.5735, 8.2726



10.6411, 19.5735, 11.1324

Complementary

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



19.5994, 19.5735, 67.0351



31.6859, 21.7693, 2.5335

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.



13.1944, 19.5735, 5.0559



19.5994, 19.5735, 67.0351



23.2966, 19.5735, 4.0566

Square

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



19.5994, 19.5735, 67.0351



31.0413, 19.5735, 18.6319



17.6429, 19.5735, 3.2602



10.0315, 19.5735, 24.2380

Rectangle

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



19.5994, 19.5735, 67.0351



28.5762, 19.5735, 43.1880



17.6429, 19.5735, 3.2602



11.2725, 19.5735, 8.4468

Sweetspot

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



19.6002, 19.5741, 67.0356



62.9042, 69.5026, 104.7077



26.1305, 49.3333, 17.7327



12.7007, 14.1058, 22.3032



0.0000, 0.0000, 0.0000



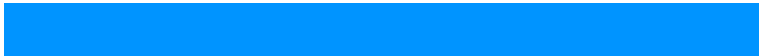
20.3446, 21.4041, 23.3091

Same Dimension

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



19.6002, 19.5741, 67.0356



28.6756, 28.4713, 98.5919



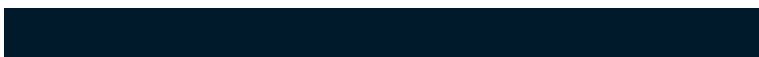
12.4824, 5.3383, 64.6630



12.3362, 13.1958, 15.8344



11.8279, 11.9176, 40.1301



0.7944, 0.8808, 2.4474

Inverse Universe

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



31.7269, 15.9291, 20.8047



46.6033, 23.4053, 30.1729



48.0113, 54.4202, 7.9753



12.7229, 12.5407, 14.4810



19.0290, 9.5479, 12.7229



1.1886, 0.5922, 0.9826

Previews

White Background



This preview shows how the XYZ color 19.5994, 19.5735, 67.0351 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 19.5994, 19.5735, 67.0351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

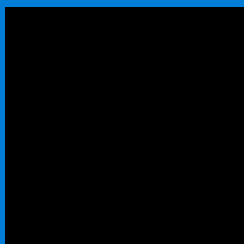
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5994, 19.5735, 67.0351

Background



This preview shows how black text looks on a background with the XYZ color 19.5994, 19.5735, 67.0351.



This preview shows how white text looks on a background with the XYZ color 19.5994, 19.5735,

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

19.5994, 19.5735, 67.0351

Protanopia

21.5851, 19.5909, 62.9654

Deuteranopia

20.2727, 19.7337, 67.0305



Tritanopia

13.7748, 19.3723, 29.8013

Trichromacy



Original Color

19.5994, 19.5735, 67.0351

Protanomaly

20.0114, 19.1080, 64.2615

Deuteranomaly

19.8501, 19.5158, 67.0107

Tritanomaly

15.3720, 19.1349, 40.9134

Monochromacy



Original Color

19.5994, 19.5735, 67.0351

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.1569, 13.6723, 27.1976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5994, 19.5735, 67.0351 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 215) }
```

Border

The CSS property to change the border of an element to XYZ 19.5994, 19.5735, 67.0351 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, 215) }
```


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

```
.border{ border-color:rgb(0, 125, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5994, 19.5735, 67.0351 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, 215) }
```

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

```
.background{ background-color: rgb(0, 125,  
215) }
```

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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