

Converting Colors

XYZ(19.6711, 19.8811, 66.5530)

Have a look what the booklet for
XYZ(19.6711, 19.8811, 66.5530)
contains.

XYZ(19.5985, 19.7767, 66.4027)	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(19.5985, 19.7767,
66.4027)**

Conversions

Conversions Part 1

Format	Color
Hex	007ED6
RGB	0, 126, 214
RGB Percent	0%, 49%, 84%
CMY	0.9998, 0.5059, 0.1608
CMYK	1.00, 0.41, 0.00, 0.16
HSL	205°, 100%, 42%
HSV	205°, 100%, 84%
XYZ	19.5985, 19.7767, 66.4027
YIQ	98.3580, -103.3440, 0.6560

Conversions

Conversions Part 2

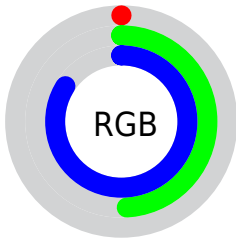
Format	Color
RYB	0, 79, 214
Decimal	32470
CIELab	51.58, 4.08, -53.08
CIELCh	52, 53.238, 274.398
Yxy	19.7767, 0.1853, 0.1870
Android (android.graphics.Color)	4278222550 (0xFF007ED6)
YUV	98.3580, 57.0115, -86.2600
Hunter-Lab	44.4710, 0.8412, -57.4003

Details

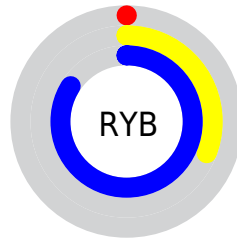
The XYZ color **19.5985, 19.7767, 66.4027** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **31.2266, 21.2854, 2.4644**, and the grayscale version is **11.5839, 12.1872, 13.2718**.

A 20% lighter version of the original color is **39.3372, 41.8275, 100.6080**, and **8.9824, 7.9520, 33.8624** is the 20% darker color. If you saturate the color by 10%, you get **19.5955, 19.7708, 66.4022**, and if you desaturate by 10%, it is **21.0933, 22.2926, 66.8100**.

Distribution



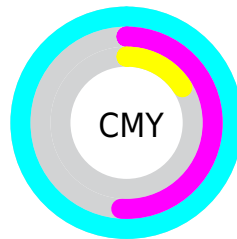
- Red (0%)
- Green (49%)
- Blue (84%)



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



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (16%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5985, 19.7767, 66.4027 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 19.5985, 19.7767, 66.4027 by changing the saturation by 10% instead.

■ 19.5985, 19.7767,
66.4027

■ 19.5985, 19.7767,
66.4027

242.6084,
250.7037, 466.2592

■ 12.2101, 12.2328,
48.1408

■ 42.2521, 43.0425,
115.6966

■ 6.9601, 6.9025,
33.5776

■ 58.2480, 59.5332,
147.5658

■ 3.4833, 3.4012,
22.2946

■ 77.8438, 79.7750,
184.8078

■ 1.4142, 1.3446,
13.8731

■ 101.4048,
104.1522, 227.8411

■ 0.2663, 0.1753,
7.8947

■ 129.2965,
133.0493, 277.0844

■ 0.0000, 0.0000,
3.9409

161.8840,

■ 0.0000, 0.0000,

166.8507, 332.9561

1.5930

199.5329,
205.9407, 395.8749

■ 0.0000, 0.0000,
0.2858

■ 0.0000, 0.0000,
0.0000

■ 19.5985, 19.7767,
66.4027

■ 19.5985, 19.7767,
66.4027

■ 19.5955, 19.7708,
66.4022

■ 21.0933, 22.2926,
66.8100

■ 23.0416, 25.1928,
67.2671

■ 25.5634, 28.5428,
67.7808

■ 28.7257, 32.3806,
68.3549

■ 32.5852, 36.7387,
68.9927

■ 37.1920, 41.6460,
69.6971

■ 42.5910, 47.1289,
70.4708

■ 48.8235, 53.2117,
71.3164

■ 55.9277, 59.9168,
72.2362

Harmonies

Analogous

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



14.6862, 19.7767, 60.6235



19.5985, 19.7767, 66.4027



25.2410, 19.7767, 56.2223

Triad

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



19.5985, 19.7767, 66.4027



28.6476, 19.7767, 8.7930



10.9509, 19.7767, 11.1317

Complementary

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



19.5985, 19.7767, 66.4027



31.2266, 21.2854, 2.4644

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.



13.5555, 19.7767, 5.2071



19.5985, 19.7767, 66.4027



23.6115, 19.7767, 4.3771

Square

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



19.5985, 19.7767, 66.4027



31.0586, 19.7767, 19.3487



18.0180, 19.7767, 3.4755



10.2804, 19.7767, 23.8768

Rectangle

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



19.5985, 19.7767, 66.4027



28.4833, 19.7767, 43.6911



18.0180, 19.7767, 3.4755



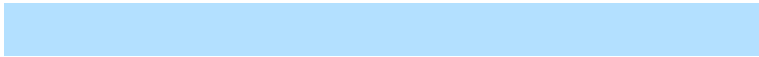
11.6012, 19.7767, 8.5161

Sweetspot

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



19.5993, 19.7773, 66.4032



63.0555, 69.8051, 104.7581



25.7125, 48.7599, 16.7837



12.7366, 14.1777, 22.3152



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.



19.5993, 19.7773, 66.4032



28.9742, 29.0683, 98.6914



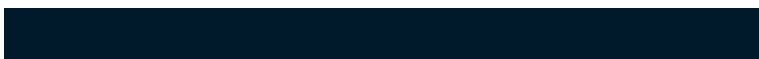
12.4150, 5.4086, 64.0084



12.3441, 13.2115, 15.8370



11.9489, 12.1596, 40.1704



0.8013, 0.8947, 2.4498

Inverse Universe

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



31.4983, 15.8039, 21.1291



46.7540, 23.4656, 30.9664



46.7152, 52.2626, 7.6272



12.7269, 12.5422, 14.5019



19.0901, 9.5724, 13.0445



1.1921, 0.5936, 1.0011

Previews

White Background



This preview shows how the XYZ color 19.5985, 19.7767, 66.4027 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 19.5985, 19.7767, 66.4027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

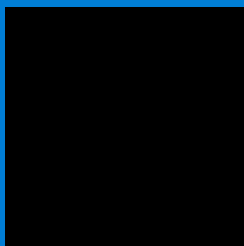
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5985, 19.7767, 66.4027

Background



This preview shows how black text looks on a background with the XYZ color 19.5985, 19.7767, 66.4027.



This preview shows how white text looks on a background with the XYZ color 19.5985, 19.7767,

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

19.5985, 19.7767, 66.4027

Protanopia

21.7283, 19.6790, 62.3277

Deuteranopia

20.4274, 19.8282, 66.3689



Tritanopia

13.9150, 19.6527, 29.8480

Trichromacy



Original Color

19.5985, 19.7767, 66.4027

Protanomaly

20.1137, 19.3565, 63.6488

Deuteranomaly

19.9779, 19.7835, 66.3840

Tritanomaly

15.5070, 19.4048, 40.9584

Monochromacy



Original Color

19.5985, 19.7767, 66.4027

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.0828, 13.6427, 26.8074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5985, 19.7767, 66.4027 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 214) }
```

Border

The CSS property to change the border of an element to XYZ 19.5985, 19.7767, 66.4027 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, 214) }
```


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

```
.border{ border-color:rgb(0, 126, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5985, 19.7767, 66.4027 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, 214) }
```

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

```
.background{ background-color: rgb(0, 126,  
214) }
```

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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