

Converting Colors

XYZ(11.2421, 15.4429, 65.0935)

Have a look what the booklet for
XYZ(11.2421, 15.4429, 65.0935)
contains.

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Color

**XYZ(19.4711, 19.7258,
65.7320)**

Conversions

Conversions Part 1

Format	Color
Hex	007ED5
RGB	0, 126, 213
RGB Percent	0%, 49%, 84%
CMY	0.9998, 0.5059, 0.1647
CMYK	1.00, 0.41, 0.00, 0.16
HSL	205°, 100%, 42%
HSV	205°, 100%, 84%
XYZ	19.4711, 19.7258, 65.7320
YIQ	98.2440, -103.0230, 0.3450

Conversions

Conversions Part 2

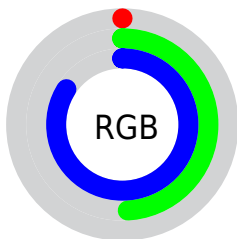
Format	Color
RYB	0, 79, 213
Decimal	32469
CIELab	51.53, 3.69, -52.61
CIElCh	52, 52.738, 274.013
Yxy	19.7258, 0.1856, 0.1880
Android (android.graphics.Color)	4278222549 (0xFF007ED5)
YUV	98.2440, 56.5747, -86.1600
Hunter-Lab	44.4137, 0.5308, -56.6591

Details

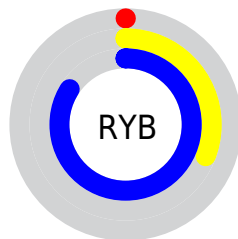
The XYZ color **19.4711, 19.7258, 65.7320** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **30.8534, 20.9711, 2.4232**, and the grayscale version is **11.5562, 12.1580, 13.2400**.

A 20% lighter version of the original color is **39.3372, 41.8275, 100.6080**, and **8.8959, 7.9174, 33.4071** is the 20% darker color. If you saturate the color by 10%, you get **19.4686, 19.7206, 65.7316**, and if you desaturate by 10%, it is **20.9497, 22.2126, 66.1345**.

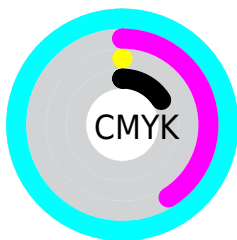
Distribution



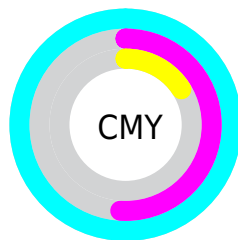
- Red (0%)
- Green (49%)
- Blue (84%)



- 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 19.4711, 19.7258, 65.7320 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 19.4711, 19.7258, 65.7320 by changing the saturation by 10% instead.

■ 19.4711, 19.7258,
65.7320

■ 19.4711, 19.7258,
65.7320

241.9258,
250.4268, 463.7958

■ 12.1172, 12.1959,
47.5998

■ 42.0394, 42.9570,
114.7249

■ 6.8963, 6.8772,
33.1523

■ 57.9845, 59.4270,
146.4227

■ 3.4431, 3.3854,
21.9711

■ 77.5240, 79.6459,
183.4794

■ 1.3922, 1.3361,
13.6375

■ 101.0234,
103.9981, 226.3136

■ 0.2506, 0.1689,
7.7331

■ 128.8479,
132.8678, 275.3438

■ 0.0000, 0.0000,
3.8394

161.3629,

■ 0.0000, 0.0000,

166.6396, 330.9885

1.5376

198.9337,
205.6978, 393.6664

■ 0.0000, 0.0000,
0.2457

■ 0.0000, 0.0000,
0.0000

■ 19.4711, 19.7258,
65.7320

■ 19.4711, 19.7258,
65.7320

■ 19.4686, 19.7206,
65.7316

■ 20.9497, 22.2126,
66.1345

■ 22.8754, 25.0770,
66.5859

■ 25.3672, 28.3838,
67.0929

■ 28.4911, 32.1704,
67.6591

■ 32.3033, 36.4688,
68.2879

■ 36.8531, 41.3077,
68.9820

■ 42.1850, 46.7128,
69.7443

■ 48.3396, 52.7082,
70.5772

■ 55.3548, 59.3162,
71.4829

Harmonies

Analogous

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



14.6284, 19.7258, 59.8473



19.4711, 19.7258, 65.7320



25.0470, 19.7258, 55.8929

Triad

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



19.4711, 19.7258, 65.7320



28.5288, 19.7258, 8.9388



10.9989, 19.7258, 11.0596

Complementary

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



19.4711, 19.7258, 65.7320



30.8534, 20.9711, 2.4232

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.



13.6062, 19.7258, 5.2316



19.4711, 19.7258, 65.7320



23.5782, 19.7258, 4.4747

Square

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



19.4711, 19.7258, 65.7320



30.8634, 19.7258, 19.4995



18.0446, 19.7258, 3.5371



10.3092, 19.7258, 23.5861

Rectangle

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



19.4711, 19.7258, 65.7320



28.2632, 19.7258, 43.5985



18.0446, 19.7258, 3.5371



11.6523, 19.7258, 8.4875

Sweetspot

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



19.4719, 19.7264, 65.7325



63.1125, 69.9192, 104.7771



25.4440, 48.2487, 16.6145



12.7502, 14.2048, 22.3198



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.



19.4719, 19.7264, 65.7325



29.0877, 29.2954, 98.7292



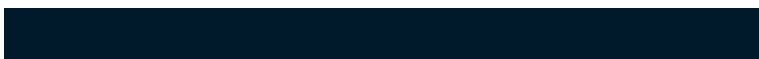
12.2856, 5.3536, 63.3371



12.3470, 13.2174, 15.8380



11.9949, 12.2515, 40.1857



0.8040, 0.8999, 2.4506

Inverse Universe

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



31.2073, 15.6537, 21.1156



46.8113, 23.4885, 31.2682



46.2261, 51.7165, 7.5474



12.7283, 12.5428, 14.5097



19.1133, 9.5816, 13.1667



1.1934, 0.5942, 1.0081

Previews

White Background



This preview shows how the XYZ color 19.4711, 19.7258, 65.7320 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 19.4711, 19.7258, 65.7320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

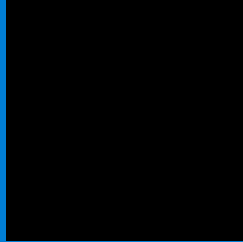
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4711, 19.7258, 65.7320

Background



This preview shows how black text looks on a background with the XYZ color 19.4711, 19.7258, 65.7320.



This preview shows how white text looks on a background with the XYZ color 19.4711, 19.7258,

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

19.4711, 19.7258, 65.7320

Protanopia

21.6056, 19.6299, 61.6817

Deuteranopia

20.5175, 19.8747, 66.3731



Tritanopia

13.9150, 19.6527, 29.8480

Trichromacy



Original Color

19.4711, 19.7258, 65.7320

Protanomaly

19.9895, 19.3068, 62.9946

Deuteranomaly

20.0066, 19.7983, 66.3853

Tritanomaly

15.5070, 19.4048, 40.9584

Monochromacy



Original Color

19.4711, 19.7258, 65.7320

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 19.4711, 19.7258, 65.7320 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 213) }
```

Border

The CSS property to change the border of an element to XYZ 19.4711, 19.7258, 65.7320 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, 213) }
```


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

```
.border{ border-color:rgb(0, 126, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4711, 19.7258, 65.7320 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, 213) }
```

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

```
.background{ background-color: rgb(0, 126,  
213) }
```

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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