

Converting Colors

XYZ(21.6272, 16.3064, 90.2867)

Have a look what the booklet for
XYZ(21.6272, 16.3064, 90.2867)
contains.

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Color

**XYZ(21.5399, 16.2181,
89.9908)**

Conversions

Conversions Part 1

Format	Color
Hex	0066F7
RGB	0, 102, 247
RGB Percent	0%, 40%, 97%
CMY	0.9997, 0.6000, 0.0314
CMYK	1.00, 0.59, 0.00, 0.03
HSL	215°, 100%, 48%
HSV	215°, 100%, 97%
XYZ	21.5399, 16.2181, 89.9908
YIQ	88.0320, -107.3370, 23.4710

Conversions

Conversions Part 2

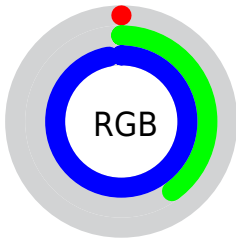
Format	Color
RYB	0, 72, 247
Decimal	26359
CIELab	47.26, 32.17, -78.62
CIELCh	47, 84.950, 292.253
Yxy	16.2181, 0.1686, 0.1270
Android (android.graphics.Color)	4278216439 (0xFF0066F7)
YUV	88.0320, 78.3712, -77.2041
Hunter-Lab	40.2717, 24.9978, -104.2987

Details

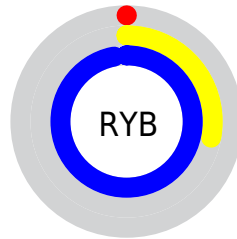
The XYZ color **21.5399, 16.2181, 89.9908** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **48.4957, 40.0491, 5.1765**, and the grayscale version is **9.1393, 9.6153, 10.4710**.

A 20% lighter version of the original color is **35.9603, 33.1212, 99.1055**, and **10.6484, 6.6004, 48.8569** is the 20% darker color. If you saturate the color by 10%, you get **21.5354, 16.2091, 89.9898**, and if you desaturate by 10%, it is **23.4876, 19.5265, 90.5272**.

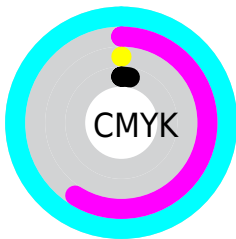
Distribution



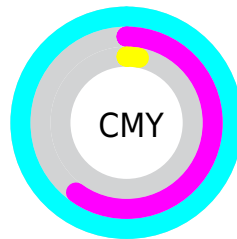
- Red (0%)
- Green (40%)
- Blue (97%)



- Red (0%)
- Yellow (28%)
- Blue (97%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (60%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5399, 16.2181, 89.9908 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 21.5399, 16.2181, 89.9908 by changing the saturation by 10% instead.


 21.5399, 16.2181,
89.9908


 21.5399, 16.2181,
89.9908


252.8118,
230.6253, 548.5703


 13.6339, 9.6786,
67.3993


 45.4689, 36.9764,
149.2610

 7.9465, 5.1864,
48.9456


 62.2226, 51.9641,
186.7769


 4.1122, 2.3570,
34.2110


 82.6563, 70.5365,
230.1046

 1.7658, 0.8037,
22.7771

 107.1354, 93.0782,
279.6627

 0.4970, 0.0000,
14.2252

 136.0251,
119.9736, 335.8698

 0.0000, 0.0000,
8.1370

169.6908,

 0.0000, 0.0000,

151.6069, 399.1444

4.0937

208.4979,
188.3627, 469.9050

■ 0.0000, 0.0000,
1.6769

■ 0.0000, 0.0000,
0.3448

■ 21.5399, 16.2181,
89.9908

■ 21.5399, 16.2181,
89.9908

■ 21.5354, 16.2091,
89.9898

■ 23.4876, 19.5265,
90.5272

■ 26.1957, 23.6151,
91.1736

■ 29.8302, 28.5862,
91.9416

■ 34.4946, 34.5088,
92.8389

■ 40.2769, 41.4433,
93.8727

■ 47.2549, 49.4439,
95.0492

■ 55.4987, 58.5604,
96.3743

■ 65.0730, 68.8389,
97.8537

■ 76.0375, 80.3228,
99.4924

Harmonies

Analogous

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



13.5531, 16.2181, 98.2148



21.5399, 16.2181, 89.9908



29.8440, 16.2181, 56.8762

Triad

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



21.5399, 16.2181, 89.9908



26.0238, 16.2181, 1.0009



5.0925, 16.2181, 12.6603

Complementary

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



21.5399, 16.2181, 89.9908



48.4957, 40.0491, 5.1765

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.



6.5986, 16.2181, 2.5290



21.5399, 16.2181, 89.9908



17.4396, 16.2181, 0.0000

Square

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



21.5399, 16.2181, 89.9908



32.9636, 16.2181, 6.1888



10.5772, 16.2181, 0.1999



5.5558, 16.2181, 38.3465

Rectangle

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



21.5399, 16.2181, 89.9908



33.6109, 16.2181, 33.4582



10.5772, 16.2181, 0.1999



5.3619, 16.2181, 7.8313

Sweetspot

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



21.5408, 16.2184, 89.9913



59.5906, 62.8753, 103.6031



38.3048, 68.5395, 37.6425



11.9182, 12.5408, 22.0424



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.



21.5408, 16.2184, 89.9913



23.1277, 17.3753, 96.7426



17.0914, 6.8728, 88.4219



16.1430, 17.0503, 20.9828



11.5214, 8.8365, 47.6364



1.1113, 0.9741, 4.2197

Inverse Universe

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



40.7570, 20.7352, 14.4242



43.8030, 22.2852, 15.4264



64.7584, 82.7593, 12.5632



16.7828, 16.5960, 18.6026



21.6200, 10.9914, 7.9731



1.9500, 0.9860, 0.9631

Previews

White Background



This preview shows how the XYZ color 21.5399, 16.2181, 89.9908 looks on a white background.

Color Contrast Check

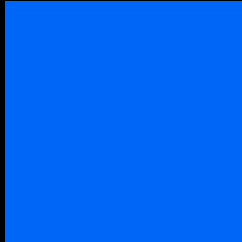
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.5399, 16.2181, 89.9908 looks on a black 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

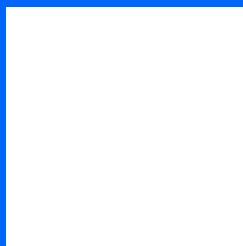
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5399, 16.2181, 89.9908

Background



This preview shows how black text looks on a background with the XYZ color 21.5399, 16.2181, 89.9908.



This preview shows how white text looks on a background with the XYZ color 21.5399, 16.2181,

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

21.5399, 16.2181, 89.9908

Protanopia

19.1228, 16.0614, 74.7653

Deuteranopia

15.8676, 15.9748, 53.8769



Tritanopia

11.3044, 16.0540, 23.9757

Trichromacy



Original Color

21.5399, 16.2181, 89.9908

Protanomaly

19.9029, 16.0437, 79.8896

Deuteranomaly

17.7135, 16.0069, 65.7744

Tritanomaly

13.7882, 15.5079, 41.8018

Monochromacy



Original Color

21.5399, 16.2181, 89.9908

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.7335, 10.7448, 28.7024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5399, 16.2181, 89.9908 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, 102, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 247)  
}
```

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, 102, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 247) }
```

Border

The CSS property to change the border of an element to XYZ 21.5399, 16.2181, 89.9908 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, 102, 247) }
```


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

```
.border{ border-color:rgb(0, 102, 247) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 102, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5399, 16.2181, 89.9908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 247) }
```

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

```
.background{ background-color: rgb(0, 102,  
247) }
```

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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