

Converting Colors

XYZ(14.1310, 12.8587, 88.2287)

Have a look what the booklet for
XYZ(14.1310, 12.8587, 88.2287)
contains.

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Color

**XYZ(21.5330, 16.6957,
88.4739)**

Conversions

Conversions Part 1

Format	Color
Hex	0069F5
RGB	0, 105, 245
RGB Percent	0%, 41%, 96%
CMY	0.9997, 0.5882, 0.0392
CMYK	1.00, 0.57, 0.00, 0.04
HSL	214°, 100%, 48%
HSV	214°, 100%, 96%
XYZ	21.5330, 16.6957, 88.4739
YIQ	89.5650, -107.5200, 21.2800

Conversions

Conversions Part 2

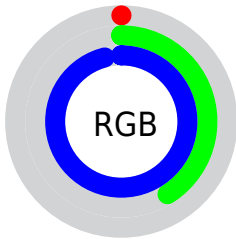
Format	Color
R _Y B	0, 74, 245
Decimal	27125
CIE Lab	47.87, 29.49, -76.50
CIE LCh	48, 81.988, 291.079
Yxy	16.6957, 0.1699, 0.1318
Android (android.graphics.Color)	4278217205 (0xFF0069F5)
YUV	89.5650, 76.6295, -78.5485
Hunter-Lab	40.8604, 22.5620, -99.7768

Details

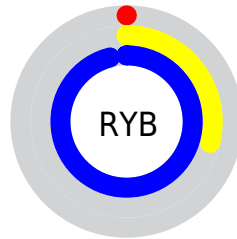
The XYZ color **21.5330, 16.6957, 88.4739** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **47.0453, 38.1897, 4.8938**, and the grayscale version is **9.4778, 9.9714, 10.8589**.

A 20% lighter version of the original color is **36.3269, 34.0422, 99.2639**, and **10.6411, 6.7588, 48.3207** is the 20% darker color. If you saturate the color by 10%, you get **21.5290, 16.6875, 88.4730**, and if you desaturate by 10%, it is **23.4691, 19.9883, 89.0079**.

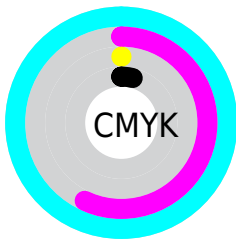
Distribution



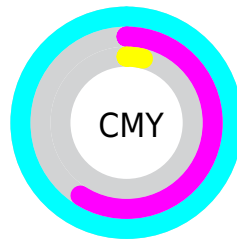
- Red (0%)
- Green (41%)
- Blue (96%)



- Red (0%)
- Yellow (29%)
- Blue (96%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (59%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5330, 16.6957, 88.4739 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 21.5330, 16.6957, 88.4739 by changing the saturation by 10% instead.

■ 21.5330, 16.6957,
88.4739

■ 21.5330, 16.6957,
88.4739

252.7761,
233.4126, 543.4954

■ 13.6288, 10.0178,
66.1490

■ 45.4575, 37.8018,
147.1337

■ 7.9429, 5.4107,
47.9362

■ 62.2086, 52.9988,
184.3057

■ 4.1100, 2.4902,
33.4167

■ 82.6394, 71.8043,
227.2638

■ 1.7645, 0.8717,
22.1721

■ 107.1153, 94.6026,
276.4266

■ 0.4962, 0.0000,
13.7839

■ 136.0015,
121.7783, 332.2127

■ 0.0000, 0.0000,
7.8335

169.6635,

■ 0.0000, 0.0000,

153.7155, 395.0404

3.9023

208.4666,
190.7989, 465.3285

■ 0.0000, 0.0000,
1.5719

■ 0.0000, 0.0000,
0.2707

■ 21.5330, 16.6957,
88.4739

■ 21.5330, 16.6957,
88.4739

■ 21.5290, 16.6875,
88.4730

■ 23.4691, 19.9883,
89.0079

■ 26.1401, 24.0245,
89.6461

■ 29.7081, 28.9025,
90.3996

■ 34.2737, 34.6885,
91.2758

■ 39.9224, 41.4397,
92.2812

■ 46.7295, 49.2077,
93.4218

■ 54.7632, 58.0399,
94.7032

■ 64.0860, 67.9802,
96.1305

■ 74.7558, 79.0697,
97.7086

Harmonies

Analogous

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



13.7702, 16.6957, 95.0206



21.5330, 16.6957, 88.4739



29.6512, 16.6957, 57.4771

Triad

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



21.5330, 16.6957, 88.4739



26.5456, 16.6957, 1.3544



5.5797, 16.6957, 12.5814

Complementary

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



21.5330, 16.6957, 88.4739



47.0453, 38.1897, 4.8938

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.



7.1972, 16.6957, 2.7415



21.5330, 16.6957, 88.4739



18.1703, 16.6957, 0.1081

Square

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



21.5330, 16.6957, 88.4739



33.1130, 16.6957, 7.1374



11.2967, 16.6957, 0.4223



5.9758, 16.6957, 37.0397

Rectangle

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



21.5330, 16.6957, 88.4739



33.4120, 16.6957, 34.7786



11.2967, 16.6957, 0.4223



5.8811, 16.6957, 7.9357

Sweetspot

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



21.5339, 16.6961, 88.4744



59.8872, 63.4685, 103.7020



37.3037, 67.1657, 35.3722



11.9878, 12.6800, 22.0656



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.



21.5339, 16.6961, 88.4744



23.5446, 18.2092, 96.8815



16.7028, 6.7078, 86.8011



16.1649, 17.0941, 20.9901



11.7291, 9.2520, 47.7056



1.1307, 1.0128, 4.2261

Inverse Universe

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



40.2069, 20.4340, 15.1894



44.0134, 22.3694, 16.5347



64.8615, 81.9094, 12.3935



16.7938, 16.6004, 18.6608



21.7248, 11.0334, 8.5252



1.9598, 0.9899, 1.0146

Previews

White Background



This preview shows how the XYZ color 21.5330, 16.6957, 88.4739 looks on a white background.

Color Contrast Check

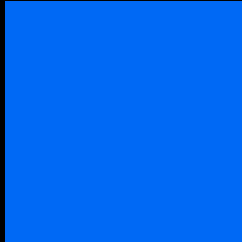
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5330, 16.6957, 88.4739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

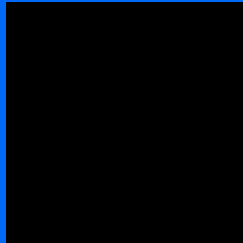
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

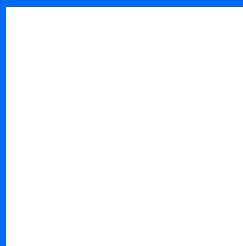
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5330, 16.6957, 88.4739

Background



This preview shows how black text looks on a background with the XYZ color 21.5330, 16.6957, 88.4739.



This preview shows how white text looks on a background with the XYZ color 21.5330, 16.6957,

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

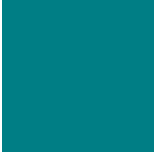
21.5330, 16.6957, 88.4739

Protanopia

19.8924, 16.7068, 77.7776

Deuteranopia

16.4384, 16.5680, 55.7576



Tritanopia

11.6945, 16.6152, 24.7810

Trichromacy



Original Color

21.5330, 16.6957, 88.4739

Protanomaly

20.5029, 16.7813, 81.5154

Deuteranomaly

18.0599, 16.4946, 66.5219

Tritanomaly

14.1184, 16.0129, 42.3911

Monochromacy



Original Color

21.5330, 16.6957, 88.4739

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.9679, 11.1296, 28.7643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5330, 16.6957, 88.4739 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, 105, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 245)  
}
```

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, 105, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 245) }
```

Border

The CSS property to change the border of an element to XYZ 21.5330, 16.6957, 88.4739 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, 105, 245) }
```


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

```
.border{ border-color:rgb(0, 105, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 105, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 105,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5330, 16.6957, 88.4739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 245) }
```

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

```
.background{ background-color: rgb(0, 105,  
245) }
```

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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