

Converting Colors

XYZ(21.7160, 16.4735, 89.2239)

Have a look what the booklet for
XYZ(21.7160, 16.4735, 89.2239)
contains.

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Color

**XYZ(21.7160, 16.4735,
89.2239)**

Conversions

Conversions Part 1

Format	Color
Hex	1167F6
RGB	17, 103, 246
RGB Percent	7%, 40%, 96%
CMY	0.9331, 0.5961, 0.0353
CMYK	0.93, 0.58, 0.00, 0.04
HSL	217°, 93%, 52%
HSV	217°, 93%, 96%
XYZ	21.7160, 16.4735, 89.2239
YIQ	93.5880, -97.1590, 26.2410

Conversions

Conversions Part 2

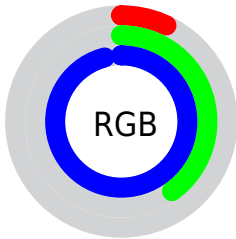
Format	Color
R _Y B	17, 80, 246
Decimal	1140726
CIE Lab	47.59, 31.57, -77.52
CIE LCh	48, 83.703, 292.162
Yxy	16.4735, 0.1704, 0.1293
Android (android.graphics.Color)	4279330806 (0xFF1167F6)
YUV	93.5880, 75.1391, -67.1677
Hunter-Lab	40.5876, 24.4766, -101.9263

Details

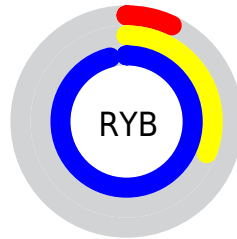
The XYZ color **21.7160, 16.4735, 89.2239** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **50.6877, 44.7934, 6.5069**, and the grayscale version is **10.3915, 10.9327, 11.9057**.

A 20% lighter version of the original color is **36.3807, 33.5799, 99.1718**, and **10.5902, 6.6570, 48.3037** is the 20% darker color. If you saturate the color by 10%, you get **20.4921, 14.3688, 88.8826**, and if you desaturate by 10%, it is **24.0967, 20.1817, 89.8146**.

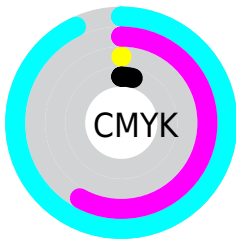
Distribution



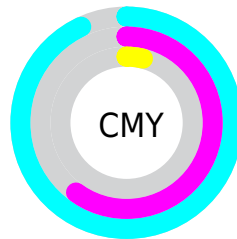
- Red (7%)
- Green (40%)
- Blue (96%)



- Red (7%)
- Yellow (31%)
- Blue (96%)



- Cyan (93%)
- Magenta (58%)
- Yellow (0%)
- Black (4%)



- Cyan (93%)
- Magenta (60%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7160, 16.4735, 89.2239 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 21.7160, 16.4735, 89.2239 by changing the saturation by 10% instead.

■ 21.7160, 16.4735,
89.2239

■ 21.7160, 16.4735,
89.2239

253.7199,
232.1198, 546.0078

■ 13.7638, 9.8598,
66.7670

■ 45.7585, 37.4183,
148.1860

■ 8.0372, 5.3061,
48.4349

■ 62.5795, 52.5182,
185.5283

■ 4.1707, 2.4280,
33.8090

■ 83.0876, 71.2157,
228.6695

■ 1.7992, 0.8402,
22.4707

■ 107.6479, 93.8950,
278.0281

■ 0.5172, 0.0000,
14.0016

■ 136.6260,
120.9407, 334.0227

■ 0.0000, 0.0000,
7.9830

170.3871,

■ 0.0000, 0.0000,

152.7372, 397.0718

3.9965

209.2966,
189.6687, 467.5940

■ 0.0000, 0.0000,
1.6234

■ 0.0000, 0.0000,
0.3074

■ 21.7160, 16.4735,
89.2239

■ 21.7160, 16.4735,
89.2239

■ 20.4921, 14.3688,
88.8826

■ 24.0967, 20.1817,
89.8146

■ 27.3862, 24.7964,
90.5320

■ 31.6968, 30.3954,
91.3855

■ 37.1223, 37.0452,
92.3831

■ 43.7445, 44.8057,
93.5320

■ 51.6371, 53.7314,
94.8388

■ 60.8674, 63.8728,
96.3098

■ 71.4977, 75.2772,
97.9508

■ 83.5864, 87.9892,
99.7673

Harmonies

Analogous

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



13.7817, 16.4735, 97.1749



21.7160, 16.4735, 89.2239



29.9379, 16.4735, 56.7819

Triad

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



21.7160, 16.4735, 89.2239



26.2082, 16.4735, 1.1229



5.3126, 16.4735, 12.8975

Complementary

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



21.7160, 16.4735, 89.2239



50.6877, 44.7934, 6.5069

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.



6.8415, 16.4735, 2.6958



21.7160, 16.4735, 89.2239



17.6963, 16.4735, 0.0000

Square

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



21.7160, 16.4735, 89.2239



33.0537, 16.4735, 6.4744



10.8458, 16.4735, 0.3169



5.7758, 16.4735, 38.3255

Rectangle

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



21.7160, 16.4735, 89.2239



33.6666, 16.4735, 33.6936



10.8458, 16.4735, 0.3169



5.5875, 16.4735, 8.0661

Sweetspot

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



21.7169, 16.4739, 89.2244



60.8679, 63.6538, 103.6861



39.3800, 68.5083, 43.6026



12.1310, 12.6330, 22.0490



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.



21.7169, 16.4739, 89.2244



22.2081, 15.5361, 96.4360



17.8644, 7.5866, 87.7120



16.0909, 16.9460, 20.9654



11.0616, 7.9170, 47.4831



1.0676, 0.8866, 4.2051

Inverse Universe

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



40.6556, 20.9747, 14.7375



43.3388, 22.0995, 12.9821



62.3582, 81.0576, 12.8915



16.7564, 16.5854, 18.4640



21.3879, 10.8986, 6.7511



1.9279, 0.9771, 0.8469

Previews

White Background



This preview shows how the XYZ color 21.7160, 16.4735, 89.2239 looks on a white background.

Color Contrast Check

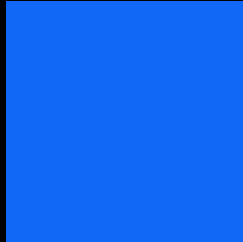
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7160, 16.4735, 89.2239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

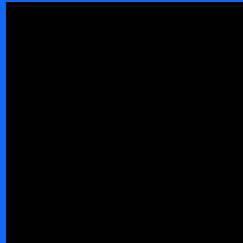
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

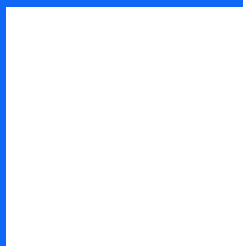
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7160, 16.4735, 89.2239

Background



This preview shows how black text looks on a background with the XYZ color 21.7160, 16.4735, 89.2239.



This preview shows how white text looks on a background with the XYZ color 21.7160, 16.4735,

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

21.7160, 16.4735, 89.2239

Protanopia

19.5054, 16.3823, 76.2628

Deuteranopia

16.2088, 16.2927, 55.1138



Tritanopia

11.3725, 16.0812, 24.3344

Trichromacy



Original Color

21.7160, 16.4735, 89.2239

Protanomaly

20.2245, 16.3449, 80.6862

Deuteranomaly

18.0253, 16.3139, 66.4888

Tritanomaly

13.8633, 15.5466, 41.8053

Monochromacy



Original Color

21.7160, 16.4735, 89.2239

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.9463, 11.8776, 30.0967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7160, 16.4735, 89.2239 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(17, 103, 246)` looks like.

```
.text, #text, p{  
    color:rgb(17, 103, 246)  
}
```

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(17, 103, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 103, 246) }
```

Border

The CSS property to change the border of an element to XYZ 21.7160, 16.4735, 89.2239 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(17, 103, 246) }
```


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

```
.border{ border-color:rgb(17, 103, 246) }
```

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

Here you see how a box with a 4 pixel rgb(17, 103, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 103, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 103, 246);  
box-shadow:4px 4px 4px 4px rgb(17, 103,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7160, 16.4735, 89.2239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 103, 246) }
```

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

```
.background{ background-color: rgb(17, 103,  
246) }
```

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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