

Converting Colors

XYZ(21.3793, 17.0552, 86.3666)

Have a look what the booklet for
XYZ(21.3793, 17.0552, 86.3666)
contains.

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Color

**XYZ(21.3896, 17.1359,
86.1846)**

Conversions

Conversions Part 1

Format	Color
Hex	006CF2
RGB	0, 108, 242
RGB Percent	0%, 42%, 95%
CMY	0.9997, 0.5765, 0.0510
CMYK	1.00, 0.55, 0.00, 0.05
HSL	213°, 100%, 47%
HSV	213°, 100%, 95%
XYZ	21.3896, 17.1359, 86.1846
YIQ	90.9840, -107.3820, 18.7780

Conversions

Conversions Part 2

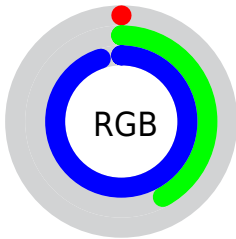
Format	Color
RYB	0, 75, 242
Decimal	27890
CIELab	48.43, 26.41, -73.92
CIElCh	48, 78.495, 289.661
Yxy	17.1359, 0.1715, 0.1374
Android (android.graphics.Color)	4278217970 (0xFF006CF2)
YUV	90.9840, 74.4509, -79.7930
Hunter-Lab	41.3955, 19.7911, -94.4636

Details

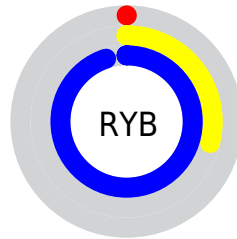
The XYZ color **21.3896, 17.1359, 86.1846** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **45.1538, 35.9480, 4.5609**, and the grayscale version is **9.7993, 10.3096, 11.2272**.

A 20% lighter version of the original color is **36.8785, 35.3313, 99.4837**, and **10.4796, 6.9480, 46.6877** is the 20% darker color. If you saturate the color by 10%, you get **21.3854, 17.1274, 86.1836**, and if you desaturate by 10%, it is **23.2968, 20.3814, 86.7110**.

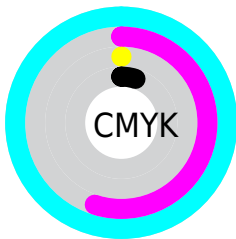
Distribution



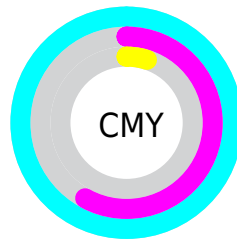
- Red (0%)
- Green (42%)
- Blue (95%)



- Red (0%)
- Yellow (29%)
- Blue (95%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (58%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3896, 17.1359, 86.1846 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 21.3896, 17.1359, 86.1846 by changing the saturation by 10% instead.

■ 21.3896, 17.1359,
86.1846

■ 21.3896, 17.1359,
86.1846

252.0345,
235.9543, 535.7862

■ 13.5232, 10.3314,
64.2649

■ 45.2214, 38.5593,
143.9159

■ 7.8692, 5.6193,
46.4177

■ 61.9176, 53.9470,
180.5645

■ 4.0625, 2.6150,
32.2245

■ 82.2876, 72.9646,
222.9599

■ 1.7376, 0.9342,
21.2668

■ 106.6970, 95.9964,
271.5205

■ 0.4796, 0.0000,
13.1260

■ 135.5110,
123.4269, 326.6649

■ 0.0000, 0.0000,
7.3836

169.0950,

■ 0.0000, 0.0000,

155.6405, 388.8116

3.6211

207.8144,
193.0215, 458.3792

■ 0.0000, 0.0000,
1.4199

■ 0.0000, 0.0000,
0.1571

■ 21.3896, 17.1359,
86.1846

■ 21.3896, 17.1359,
86.1846

■ 21.3854, 17.1274,
86.1836

■ 23.2968, 20.3814,
86.7110

■ 25.9056, 24.3251,
87.3347

■ 29.3731, 29.0608,
88.0660

■ 33.7960, 34.6507,
88.9119

■ 39.2563, 41.1487,
89.8783

■ 45.8262, 48.6033,
90.9709

■ 53.5711, 57.0587,
92.1948

■ 62.5509, 66.5562,
93.5547

■ 72.8213, 77.1343,
95.0552

Harmonies

Analogous

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



13.9322, 17.1359, 90.8819



21.3896, 17.1359, 86.1846



29.2445, 17.1359, 57.7557

Triad

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



21.3896, 17.1359, 86.1846



26.9619, 17.1359, 1.8328



6.1286, 17.1359, 12.4219

Complementary

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



21.3896, 17.1359, 86.1846



45.1538, 35.9480, 4.5609

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.



7.8655, 17.1359, 2.9808



21.3896, 17.1359, 86.1846



18.8935, 17.1359, 0.4391

Square

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



21.3896, 17.1359, 86.1846



33.0609, 17.1359, 8.2637



12.0685, 17.1359, 0.6700



6.4364, 17.1359, 35.3799

Rectangle

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



21.3896, 17.1359, 86.1846



32.9714, 17.1359, 36.0577



12.0685, 17.1359, 0.6700



6.4665, 17.1359, 8.0109

Sweetspot

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



21.3905, 17.1363, 86.1851



60.2257, 64.1456, 103.8148



35.9960, 65.2022, 32.9265



12.0673, 12.8391, 22.0921



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.



21.3905, 17.1363, 86.1851



24.0401, 19.2002, 97.0467



16.1819, 6.4918, 84.4050



15.4778, 16.3897, 20.0694



11.6201, 9.4644, 46.3422



1.0645, 0.9829, 3.8878

Inverse Universe

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



39.3257, 19.9616, 15.9675



44.2635, 22.4694, 17.8517



64.3551, 80.3119, 12.1119



16.0658, 15.8760, 17.9030



21.1909, 10.7488, 8.9218



1.8122, 0.9139, 1.0021

Previews

White Background



This preview shows how the XYZ color 21.3896, 17.1359, 86.1846 looks on a white background.

Color Contrast Check

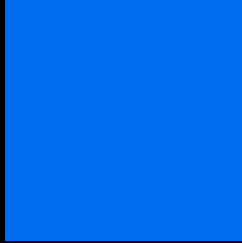
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3896, 17.1359, 86.1846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

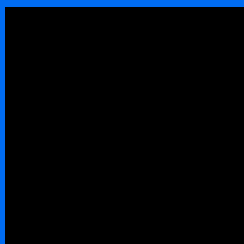
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

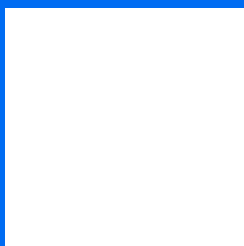
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3896, 17.1359, 86.1846

Background



This preview shows how black text looks on a background with the XYZ color 21.3896, 17.1359, 86.1846.



This preview shows how white text looks on a background with the XYZ color 21.3896, 17.1359,

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

21.3896, 17.1359, 86.1846

Protanopia

20.4272, 17.0924, 80.0644

Deuteranopia

16.9039, 16.9396, 57.6371



Tritanopia

11.9625, 16.9280, 25.5586

Trichromacy



Original Color

21.3896, 17.1359, 86.1846

Protanomaly

20.7547, 17.0517, 82.3182

Deuteranomaly

18.4120, 16.9925, 67.2752

Tritanomaly

14.3565, 16.4889, 42.4704

Monochromacy



Original Color

21.3896, 17.1359, 86.1846

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.2079, 11.5243, 28.8278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3896, 17.1359, 86.1846 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, 108, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 242)  
}
```

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, 108, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 242) }
```

Border

The CSS property to change the border of an element to XYZ 21.3896, 17.1359, 86.1846 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, 108, 242) }
```


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

```
.border{ border-color:rgb(0, 108, 242) }
```

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

Here you see how a box with a 4 pixel rgb(0, 108, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3896, 17.1359, 86.1846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 242) }
```

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

```
.background{ background-color: rgb(0, 108,  
242) }
```

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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