

Converting Colors

XYZ(21.7717, 17.2220, 88.4029)

Have a look what the booklet for
XYZ(21.7717, 17.2220, 88.4029)
contains.

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Color

**XYZ(21.8440, 17.3177,
88.5775)**

Conversions

Conversions Part 1

Format	Color
Hex	006CF5
RGB	0, 108, 245
RGB Percent	0%, 42%, 96%
CMY	0.9997, 0.5765, 0.0392
CMYK	1.00, 0.56, 0.00, 0.04
HSL	214°, 100%, 48%
HSV	214°, 100%, 96%
XYZ	21.8440, 17.3177, 88.5775
YIQ	91.3260, -108.3450, 19.7110

Conversions

Conversions Part 2

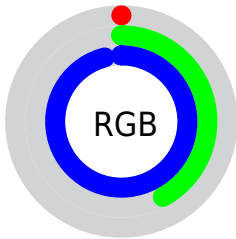
Format	Color
RYB	0, 75, 245
Decimal	27893
CIELab	48.66, 27.57, -75.22
CIELCh	49, 80.117, 290.128
Yxy	17.3177, 0.1710, 0.1356
Android (android.graphics.Color)	4278217973 (0xFF006CF5)
YUV	91.3260, 75.7613, -80.0929
Hunter-Lab	41.6145, 20.8715, -97.0699

Details

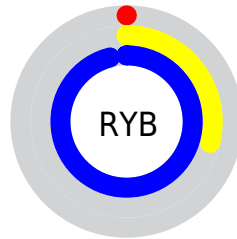
The XYZ color **21.8440, 17.3177, 88.5775** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **46.6127, 37.3245, 4.7496**, and the grayscale version is **9.8738, 10.3880, 11.3125**.

A 20% lighter version of the original color is **37.0037, 35.3958, 99.4895**, and **10.7997, 7.0761, 48.3736** is the 20% darker color. If you saturate the color by 10%, you get **21.8398, 17.3093, 88.5766**, and if you desaturate by 10%, it is **23.7951, 20.6403, 89.1165**.

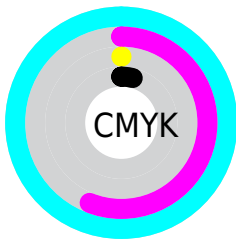
Distribution



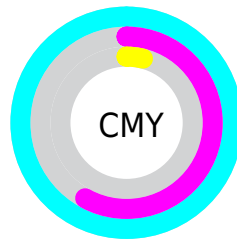
- Red (0%)
- Green (42%)
- Blue (96%)



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



- Cyan (100%)
- Magenta (56%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (58%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8440, 17.3177, 88.5775 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 21.8440, 17.3177, 88.5775 by changing the saturation by 10% instead.

■ 21.8440, 17.3177,
88.5775

■ 21.8440, 17.3177,
88.5775

254.3782,
236.9966, 543.8428

■ 13.8583, 10.4613,
66.2344

■ 45.9688, 38.8712,
147.2791

■ 8.1032, 5.7058,
48.0050

■ 62.8386, 54.3371,
184.4747

■ 4.2134, 2.6671,
33.4708

■ 83.4005, 73.4415,
227.4581

■ 1.8236, 0.9605,
22.2133

■ 108.0197, 96.5690,
276.6480

■ 0.5318, 0.0000,
13.8139

■ 137.0618,
124.1038, 332.4629

■ 0.0000, 0.0000,
7.8541

170.8920,

■ 0.0000, 0.0000,

156.4304, 395.3213

3.9153

209.8757,
193.9332, 465.6418

■ 0.0000, 0.0000,
1.5790

■ 0.0000, 0.0000,
0.2758

■ 21.8440, 17.3177,
88.5775

■ 21.8440, 17.3177,
88.5775

■ 21.8398, 17.3093,
88.5766

■ 23.7951, 20.6403,
89.1165

■ 26.4725, 24.6893,
89.7569

■ 30.0378, 29.5618,
90.5095

■ 34.5907, 35.3223,
91.3814

■ 40.2162, 42.0270,
92.3790

■ 46.9889, 49.7263,
93.5082

■ 54.9766, 58.4664,
94.7742

■ 64.2412, 68.2902,
96.1821

■ 74.8401, 79.2378,
97.7366

Harmonies

Analogous

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



14.1442, 17.3177, 93.9590



21.8440, 17.3177, 88.5775



29.9349, 17.3177, 58.7695

Triad

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



21.8440, 17.3177, 88.5775



27.3402, 17.3177, 1.7004



6.0618, 17.3177, 12.7097

Complementary

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



21.8440, 17.3177, 88.5775



46.6127, 37.3245, 4.7496

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.



7.7923, 17.3177, 2.9573



21.8440, 17.3177, 88.5775



19.0155, 17.3177, 0.3469

Square

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



21.8440, 17.3177, 88.5775



33.7093, 17.3177, 8.0408



12.0424, 17.3177, 0.6061



6.4055, 17.3177, 36.5910

Rectangle

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



21.8440, 17.3177, 88.5775



33.7443, 17.3177, 36.3257



12.0424, 17.3177, 0.6061



6.3939, 17.3177, 8.1380

Sweetspot

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



21.8449, 17.3181, 88.5780



60.1210, 63.9362, 103.7799



37.0113, 67.0487, 33.8324



12.0427, 12.7899, 22.0839



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.



21.8449, 17.3181, 88.5780



23.8847, 18.8893, 96.9949



16.6384, 6.6746, 86.7980



16.1821, 17.1285, 20.9958



11.8982, 9.5903, 47.7620



1.1463, 1.0441, 4.2313

Inverse Universe

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



40.3639, 20.4968, 16.0161



44.1851, 22.4380, 17.4385



66.1770, 82.5876, 12.4551



16.8025, 16.6038, 18.7064



21.8102, 11.0675, 8.9748



1.9677, 0.9930, 1.0561

Previews

White Background



This preview shows how the XYZ color 21.8440, 17.3177, 88.5775 looks on a white background.

Color Contrast Check

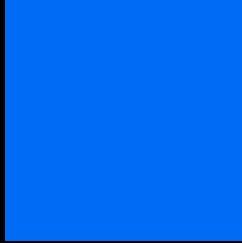
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8440, 17.3177, 88.5775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

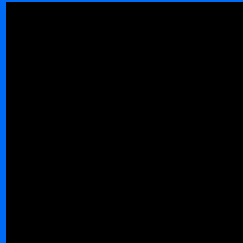
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

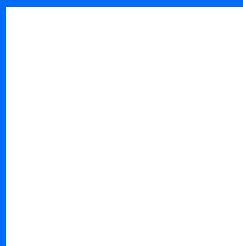
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8440, 17.3177, 88.5775

Background



This preview shows how black text looks on a background with the XYZ color 21.8440, 17.3177, 88.5775.



This preview shows how white text looks on a background with the XYZ color 21.8440, 17.3177,

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

21.8440, 17.3177, 88.5775

Protanopia

20.6798, 17.3670, 80.8595

Deuteranopia

17.1391, 17.2211, 58.2978



Tritanopia

12.0923, 17.1876, 25.6019

Trichromacy



Original Color

21.8440, 17.3177, 88.5775

Protanomaly

21.1559, 17.3839, 83.9017

Deuteranomaly

18.6722, 17.0966, 68.6455

Tritanomaly

14.5752, 16.7699, 43.0262

Monochromacy



Original Color

21.8440, 17.3177, 88.5775

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.2861, 11.5555, 29.2394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8440, 17.3177, 88.5775 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 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, 108, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 245) }
```

Border

The CSS property to change the border of an element to XYZ 21.8440, 17.3177, 88.5775 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, 245) }
```


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

```
.border{ border-color:rgb(0, 108, 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, 108, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8440, 17.3177, 88.5775 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, 245) }
```

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

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