

Converting Colors

XYZ(22.1795, 18.0361, 88.5390)

Have a look what the booklet for
XYZ(22.1795, 18.0361, 88.5390)
contains.

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Color

**XYZ(22.1659, 17.9615,
88.6848)**

Conversions

Conversions Part 1

Format	Color
Hex	006FF5
RGB	0, 111, 245
RGB Percent	0%, 44%, 96%
CMY	0.9997, 0.5647, 0.0392
CMYK	1.00, 0.55, 0.00, 0.04
HSL	213°, 100%, 48%
HSV	213°, 100%, 96%
XYZ	22.1659, 17.9615, 88.6848
YIQ	93.0870, -109.1700, 18.1420

Conversions

Conversions Part 2

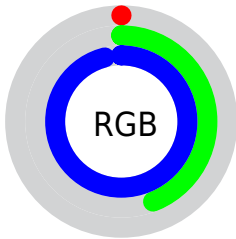
Format	Color
R _{YB}	0, 76, 245
Decimal	28661
CIE Lab	49.45, 25.66, -73.93
CIE LCh	49, 78.259, 289.137
Yxy	17.9615, 0.1721, 0.1394
Android (android.graphics.Color)	4278218741 (0xFF006FF5)
YUV	93.0870, 74.8931, -81.6373
Hunter-Lab	42.3810, 19.1914, -94.4012

Details

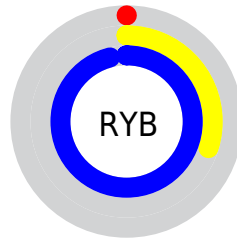
The XYZ color **22.1659, 17.9615, 88.6848** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **46.1918, 36.4827, 4.6093**, and the grayscale version is **10.2791, 10.8144, 11.7769**.

A 20% lighter version of the original color is **37.4007, 36.3757, 99.6577**, and **10.9674, 7.4114, 48.4295** is the 20% darker color. If you saturate the color by 10%, you get **22.1617, 17.9530, 88.6839**, and if you desaturate by 10%, it is **24.1303, 21.3106, 89.2282**.

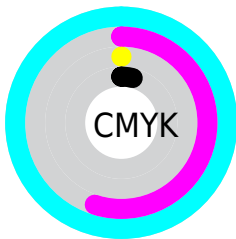
Distribution



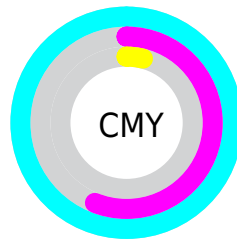
- Red (0%)
- Green (44%)
- Blue (96%)



- Red (0%)
- Yellow (30%)
- Blue (96%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (4%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1659, 17.9615, 88.6848 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 22.1659, 17.9615, 88.6848 by changing the saturation by 10% instead.

■ 22.1659, 17.9615,
88.6848

■ 22.1659, 17.9615,
88.6848

256.0275,
240.6540, 544.2025

■ 14.0961, 10.9223,
66.3228

■ 46.4969, 39.9717,
147.4297

■ 8.2697, 6.0146,
48.0763

■ 63.4888, 55.7116,
184.6496

■ 4.3213, 2.8540,
33.5269

■ 84.1854, 75.1204,
227.6593

■ 1.8854, 1.0560,
22.2560

■ 108.9522, 98.5827,
276.8773

■ 0.5684, 0.0000,
13.8450

■ 138.1544,
126.4828, 332.7220

■ 0.0000, 0.0000,
7.8754

172.1575,

■ 0.0000, 0.0000,

159.2051, 395.6121

3.9287

211.3267,
197.1340, 465.9661

■ 0.0000, 0.0000,
1.5863

■ 0.0000, 0.0000,
0.2810

■ 22.1659, 17.9615,
88.6848

■ 22.1659, 17.9615,
88.6848

■ 22.1617, 17.9530,
88.6839

■ 24.1303, 21.3106,
89.2282

■ 26.8125, 25.3692,
89.8702

■ 30.3734, 30.2329,
90.6213

■ 34.9121, 35.9651,
91.4885

■ 40.5130, 42.6206,
92.4780

■ 47.2503, 50.2489,
93.5953

■ 55.1909, 58.8950,
94.8456

■ 64.3966, 68.6009,
96.2339

■ 74.9241, 79.4058,
97.7646

Harmonies

Analogous

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



14.5318, 17.9615, 92.9130



22.1659, 17.9615, 88.6848



30.2286, 17.9615, 60.0843

Triad

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



22.1659, 17.9615, 88.6848



28.1564, 17.9615, 2.1027



6.5750, 17.9615, 12.8472

Complementary

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



22.1659, 17.9615, 88.6848



46.1918, 36.4827, 4.6093

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.



8.4236, 17.9615, 3.1879



22.1659, 17.9615, 88.6848



19.8919, 17.9615, 0.5873

Square

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



22.1659, 17.9615, 88.6848



34.3194, 17.9615, 9.0208



12.8250, 17.9615, 0.7916



6.8598, 17.9615, 36.1586

Rectangle

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



22.1659, 17.9615, 88.6848



34.0867, 17.9615, 37.9218



12.8250, 17.9615, 0.7916



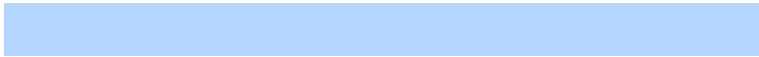
6.9399, 17.9615, 8.3504

Sweetspot

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



22.1668, 17.9619, 88.6853



60.3563, 64.4067, 103.8584



36.7299, 66.9362, 32.3504



12.0980, 12.9006, 22.1024



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.



22.1668, 17.9619, 88.6853



24.2367, 19.5935, 97.1122



16.5854, 6.6473, 86.7955



16.1993, 17.1629, 21.0015



12.0731, 9.9401, 47.8203



1.1623, 1.0761, 4.2367

Inverse Universe

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



40.5264, 20.5618, 16.8718



44.3628, 22.5091, 18.3743



67.5234, 83.2816, 12.5181



16.8112, 16.6073, 18.7522



21.8985, 11.1028, 9.4397



1.9758, 0.9963, 1.0987

Previews

White Background



This preview shows how the XYZ color 22.1659, 17.9615, 88.6848 looks on a white background.

Color Contrast Check

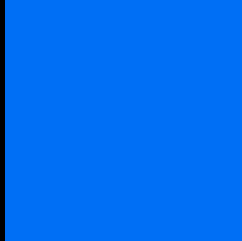
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1659, 17.9615, 88.6848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

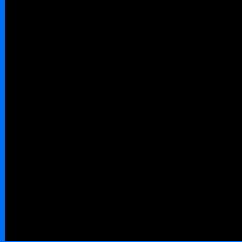
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

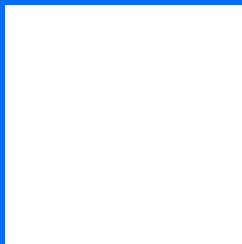
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1659, 17.9615, 88.6848

Background



This preview shows how black text looks on a background with the XYZ color 22.1659, 17.9615, 88.6848.



This preview shows how white text looks on a background with the XYZ color 22.1659, 17.9615,

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

22.1659, 17.9615, 88.6848

Protanopia

21.3742, 17.8203, 83.9745

Deuteranopia

17.8570, 17.8892, 60.9043



Tritanopia

12.5701, 17.8002, 26.8180

Trichromacy



Original Color

22.1659, 17.9615, 88.6848

Protanomaly

21.6714, 17.9392, 85.5395

Deuteranomaly

19.2796, 17.8899, 70.1471

Tritanomaly

15.0188, 17.3402, 44.1504

Monochromacy



Original Color

22.1659, 17.9615, 88.6848

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.7061, 12.1823, 29.7514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1659, 17.9615, 88.6848 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, 111, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 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, 111, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 245) }
```

Border

The CSS property to change the border of an element to XYZ 22.1659, 17.9615, 88.6848 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, 111, 245) }
```


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

```
.border{ border-color:rgb(0, 111, 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, 111, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1659, 17.9615, 88.6848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 245) }
```

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

```
.background{ background-color: rgb(0, 111,  
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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