

Converting Colors

XYZ(22.9485, 19.5755, 88.7951)

Have a look what the booklet for
XYZ(22.9485, 19.5755, 88.7951)
contains.

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Color

**XYZ(22.9599, 19.5494,
88.9495)**

Conversions

Conversions Part 1

Format	Color
Hex	0076F5
RGB	0, 118, 245
RGB Percent	0%, 46%, 96%
CMY	0.9997, 0.5373, 0.0392
CMYK	1.00, 0.52, 0.00, 0.04
HSL	211°, 100%, 48%
HSV	211°, 100%, 96%
XYZ	22.9599, 19.5494, 88.9495
YIQ	97.1960, -111.0950, 14.4810

Conversions

Conversions Part 2

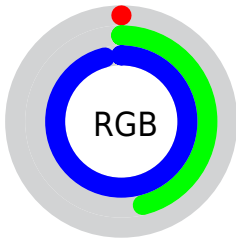
Format	Color
R _{YB}	0, 80, 245
Decimal	30453
CIE Lab	51.32, 21.21, -70.89
CIE LCh	51, 73.993, 286.655
Yxy	19.5494, 0.1747, 0.1487
Android (android.graphics.Color)	4278220533 (0xFF0076F5)
YUV	97.1960, 72.8674, -85.2409
Hunter-Lab	44.2147, 15.3161, -88.3271

Details

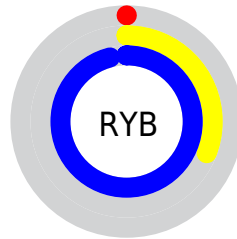
The XYZ color **22.9599, 19.5494, 88.9495** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark saturated azure. A complement of this color would be **45.2561, 34.6113, 4.2976**, and the grayscale version is **11.2623, 11.8488, 12.9034**.

A 20% lighter version of the original color is **38.6684, 38.9109, 100.0803**, and **11.3303, 8.1373, 48.5504** is the 20% darker color. If you saturate the color by 10%, you get **22.9553, 19.5402, 88.9485**, and if you desaturate by 10%, it is **24.9486, 22.9470, 89.5010**.

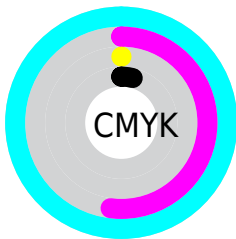
Distribution



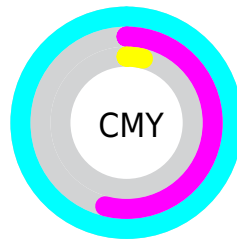
- Red (0%)
- Green (46%)
- Blue (96%)



- Red (0%)
- Yellow (31%)
- Blue (96%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (54%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9599, 19.5494, 88.9495 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 22.9599, 19.5494, 88.9495 by changing the saturation by 10% instead.

■ 22.9599, 19.5494,
88.9495

■ 22.9599, 19.5494,
88.9495

260.0581,
249.4652, 545.0893

■ 14.6844, 12.0679,
66.5409

■ 47.7946, 42.6604,
147.8011

■ 8.6831, 6.7900,
48.2524

■ 65.0846, 59.0588,
185.0811

■ 4.5905, 3.3311,
33.6654

■ 86.1101, 79.1982,
228.1554

■ 2.0413, 1.3069,
22.3614

■ 111.2365,
103.4631, 277.4425

■ 0.6570, 0.1466,
13.9218

■ 140.8291,
132.2378, 333.3609

■ 0.0000, 0.0000,
7.9282

175.2534,

■ 0.0000, 0.0000,

165.9068, 396.3291

3.9619

214.8746,
204.8545, 466.7658

■ 0.0000, 0.0000,
1.6045

■ 0.0000, 0.0000,
0.2940

■ 22.9599, 19.5494,
88.9495

■ 22.9599, 19.5494,
88.9495

■ 22.9553, 19.5402,
88.9485

■ 24.9486, 22.9470,
89.5010

■ 27.6356, 27.0150,
90.1446

■ 31.1802, 31.8461,
90.8903

■ 35.6804, 37.5009,
91.7446

■ 41.2191, 44.0319,
92.7132

■ 47.8694, 51.4859,
93.8015

■ 55.6972, 59.9060,
95.0142

■ 64.7629, 69.3319,
96.3557

■ 75.1227, 79.8008,
97.8304

Harmonies

Analogous

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



15.4898, 19.5494, 90.5381



22.9599, 19.5494, 88.9495



30.9529, 19.5494, 63.2339

Triad

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



22.9599, 19.5494, 88.9495



30.1440, 19.5494, 3.2856



7.8988, 19.5494, 13.2052

Complementary

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



22.9599, 19.5494, 88.9495



45.2561, 34.6113, 4.2976

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.



10.0428, 19.5494, 3.7877



22.9599, 19.5494, 88.9495



22.0585, 19.5494, 1.1658

Square

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



22.9599, 19.5494, 88.9495



35.7956, 19.5494, 11.6207



14.7978, 19.5494, 1.2558



8.0195, 19.5494, 35.2145

Rectangle

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



22.9599, 19.5494, 88.9495



34.9246, 19.5494, 41.8337



14.7978, 19.5494, 1.2558



8.3479, 19.5494, 8.8871

Sweetspot

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



22.9609, 19.5499, 88.9501



60.9102, 65.5146, 104.0430



36.4596, 66.8281, 30.9266



12.2285, 13.1616, 22.1459



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.



22.9609, 19.5499, 88.9501



25.1051, 21.3301, 97.4017



16.5344, 6.6211, 86.7933



16.2396, 17.2434, 21.0150



12.5036, 10.8009, 47.9638



1.2013, 1.1540, 4.2497

Inverse Universe

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



40.9272, 20.7222, 18.9821



44.8011, 22.6844, 20.6823



68.9008, 83.9918, 12.5828



16.8315, 16.6154, 18.8592



22.1157, 11.1897, 10.5837



1.9954, 1.0041, 1.2023

Previews

White Background



This preview shows how the XYZ color 22.9599, 19.5494, 88.9495 looks on a white background.

Color Contrast Check

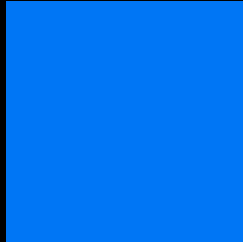
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.9599, 19.5494, 88.9495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

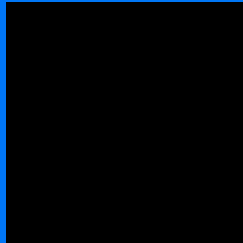
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

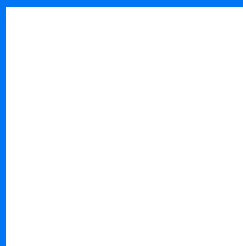
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9599, 19.5494, 88.9495

Background



This preview shows how black text looks on a background with the XYZ color 22.9599, 19.5494, 88.9495.



This preview shows how white text looks on a background with the XYZ color 22.9599, 19.5494,

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

22.9599, 19.5494, 88.9495

Protanopia

23.3176, 19.5776, 88.1378

Tritanopia

13.6980, 19.3416, 29.3969

Trichromacy



Original Color

22.9599, 19.5494, 88.9495

Protanomaly

22.9997, 19.4137, 88.1229

Tritanomaly

16.1907, 19.0367, 46.5372

Monochromacy



Original Color

22.9599, 19.5494, 88.9495

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.6241, 13.3616, 31.1919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9599, 19.5494, 88.9495 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, 118, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 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, 118, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 245) }
```

Border

The CSS property to change the border of an element to XYZ 22.9599, 19.5494, 88.9495 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, 118, 245) }
```

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

```
.border{ border-color:rgb(0, 118, 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, 118, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
245) }
```


Background

The CSS property to change the background color of an element to XYZ 22.9599, 19.5494, 88.9495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 245) }
```

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

```
.background{ background-color: rgb(0, 118,  
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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