

Converting Colors

$Yxy(21.5333, 0.1775, 0.1590)$

Have a look what the booklet for
Yxy(21.5333, 0.1775, 0.1590)
contains.

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Color

Yxy(21.5755, 0.1775, 0.1589)

Conversions

Conversions Part 1

Format	Color
Hex	007EF6
RGB	0, 126, 246
RGB Percent	0%, 49%, 96%
CMY	0.9987, 0.5059, 0.0352
CMYK	1.00, 0.49, 0.00, 0.04
HSL	209°, 100%, 48%
HSV	209°, 100%, 96%
XYZ	24.1010, 21.5755, 90.1039
YIQ	102.0060, -113.6160, 10.6080

Conversions

Conversions Part 2

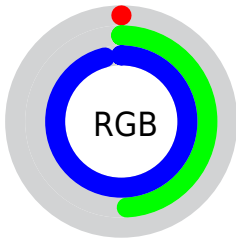
Format	Color
R _{YB}	0, 83, 246
Decimal	32502
CIE _{Lab}	53.57, 16.59, -67.81
CIE _{LCh}	54, 69.813, 283.743
Yxy	21.5755, 0.1775, 0.1589
Android (android.graphics.Color)	4278222582 (0xFF007EF6)
YUV	102.0060, 70.9890, -89.4593
Hunter-Lab	46.4494, 11.3310, -82.4977

Details

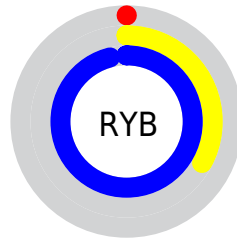
The Yxy color **21.5755, 0.1775, 0.1589** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **33.1210, 0.5465, 0.4042**, and the grayscale version is **13.1486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3758, 0.2202, 0.2310**, and **9.1229, 0.1694, 0.1298** is the 20% darker color. If you saturate the color by 10%, you get **21.5323, 0.1774, 0.1587**, and if you desaturate by 10%, it is **25.0404, 0.1842, 0.1765**.

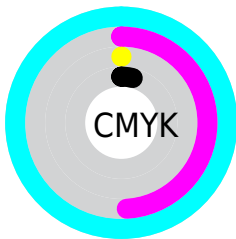
Distribution



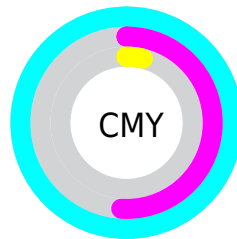
- Red (0%)
- Green (49%)
- Blue (96%)



- Red (0%)
- Yellow (33%)
- Blue (96%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (51%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5755, 0.1775, 0.1589 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 Yxy color 21.5755, 0.1775, 0.1589 by changing the saturation by 10% instead.


 21.5755, 0.1775,
0.1589


 21.5755, 0.1775,
0.1589


260.3213, 0.2472,
0.2422


 13.5453, 0.1609,
0.1403


 46.0434, 0.2026,
0.1878


 7.8051, 0.1404,
0.1181


 63.2499, 0.2121,
0.1992

 3.9705, 0.1153,
0.0919

 84.2839, 0.2202,
0.2089

 1.6571, 0.0850,
0.0619

 109.5299, 0.2272,
0.2174

 0.3956, 0.0506,
0.0256

 139.3723, 0.2332,
0.2247

 0.0000, 0.0000,
0.0000

174.1954, 0.2385,

0.2312

214.3836, 0.2431,
0.2370

■ 21.5755, 0.1775,
0.1589

■ 21.5755, 0.1775,
0.1589

■ 21.5323, 0.1774,
0.1587

■ 25.0404, 0.1842,
0.1765

■ 29.1434, 0.1932,
0.1952

■ 33.9745, 0.2045,
0.2144

■ 39.5921, 0.2179,
0.2337

■ 46.0470, 0.2327,
0.2525

■ 53.3844, 0.2486,
0.2705

■ 61.6454, 0.2649,
0.2872

■ 70.8683, 0.2813,
0.3027

■ 81.0887, 0.2974,
0.3166

Harmonies

Analogous

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



21.5755, 0.1316, 0.1695



21.5755, 0.1775, 0.1589



21.5755, 0.2652, 0.1783

Triad

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



21.5755, 0.1775, 0.1589



21.5755, 0.5515, 0.3640



21.5755, 0.2136, 0.4799

Complementary

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



21.5755, 0.1775, 0.1589



33.1210, 0.5465, 0.4042

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.



21.5755, 0.3166, 0.5639



21.5755, 0.1775, 0.1589



21.5755, 0.5123, 0.4460

Square

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



21.5755, 0.1775, 0.1589



21.5755, 0.5080, 0.2900



21.5755, 0.4238, 0.5289



21.5755, 0.1446, 0.3283

Rectangle

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



21.5755, 0.1775, 0.1589



21.5755, 0.3466, 0.2065



21.5755, 0.4238, 0.5289



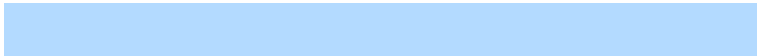
21.5755, 0.2456, 0.5218

Sweetspot

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



21.5761, 0.1775, 0.1589



66.6923, 0.2646, 0.2869



67.2638, 0.2748, 0.5091



13.4397, 0.2577, 0.2800



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.5761, 0.1775, 0.1589



23.2956, 0.1773, 0.1584



6.7537, 0.1503, 0.0608



17.3282, 0.2980, 0.3171



11.7724, 0.1782, 0.1615



1.2404, 0.1844, 0.1838

Inverse Universe

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



21.1109, 0.4945, 0.2498



22.8828, 0.4952, 0.2502



83.0620, 0.4223, 0.5029



16.6240, 0.3213, 0.3170



11.2878, 0.4912, 0.2480



1.0129, 0.4640, 0.2330

Previews

White Background



This preview shows how the Yxy color 21.5755, 0.1775, 0.1589 looks on a white background.

Color Contrast Check

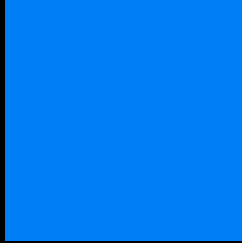
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 21.5755, 0.1775, 0.1589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

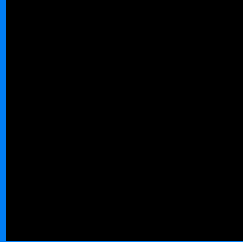
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

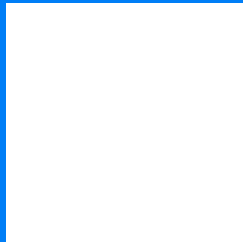
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.5755, 0.1775, 0.1589

Background



This preview shows how black text looks on a background with the Yxy color 21.5755, 0.1775, 0.1589.



This preview shows how white text looks on a background with the Yxy color 21.5755, 0.1775, 0.1589.

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

21.5755, 0.1775, 0.1589

Protanopia

21.5976, 0.1870, 0.1607

Deuteranopia

21.5113, 0.1835, 0.1807



Tritanopia

21.2841, 0.2190, 0.3085

Trichromacy



Original Color

21.5755, 0.1775, 0.1589

Protanomaly

21.3590, 0.1814, 0.1592

Deuteranomaly

21.6410, 0.1814, 0.1729

Tritanomaly

21.1535, 0.1998, 0.2392

Monochromacy



Original Color

21.5755, 0.1775, 0.1589

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.8258, 0.2237, 0.2421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5755, 0.1775, 0.1589 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, 126, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 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(0, 126, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 246) }
```

Border

The CSS property to change the border of an element to Yxy 21.5755, 0.1775, 0.1589 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, 126, 246) }
```

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

```
.border{ border-color:rgb(0, 126, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5755, 0.1775, 0.1589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 246) }
```

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

```
.background{ background-color: rgb(0, 126,  
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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