

Converting Colors

$Yxy(13.5576, 0.0786, 0.1214)$

Have a look what the booklet for
Yxy(13.5576, 0.0786, 0.1214)
contains.

Yxy(21.3211, 0.1771, 0.1575)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(21.3211, 0.1771, 0.1575)

Conversions

Conversions Part 1

Format	Color
Hex	007DF6
RGB	0, 125, 246
RGB Percent	0%, 49%, 96%
CMY	0.9994, 0.5099, 0.0351
CMYK	1.00, 0.49, 0.00, 0.04
HSL	210°, 100%, 48%
HSV	210°, 100%, 96%
XYZ	23.9744, 21.3211, 90.0766
YIQ	101.4190, -113.3410, 11.1310

Conversions

Conversions Part 2

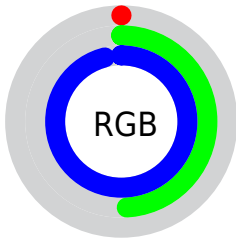
Format	Color
R _{YB}	0, 83, 246
Decimal	32246
CIE Lab	53.30, 17.21, -68.27
CIE LCh	53, 70.406, 284.152
Yxy	21.3211, 0.1771, 0.1575
Android (android.graphics.Color)	4278222326 (0xFF007DF6)
YUV	101.4190, 71.2784, -88.9445
Hunter-Lab	46.1748, 11.8731, -83.3391

Details

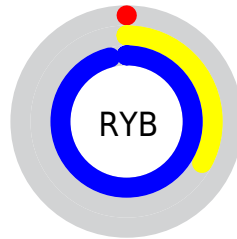
The Yxy color **21.3211, 0.1771, 0.1575** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **33.3258, 0.5455, 0.4050**, and the grayscale version is **12.9734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9793, 0.2200, 0.2297**, and **8.9819, 0.1690, 0.1282** is the 20% darker color. If you saturate the color by 10%, you get **21.3025, 0.1771, 0.1574**, and if you desaturate by 10%, it is **24.7801, 0.1838, 0.1752**.

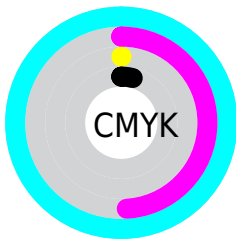
Distribution



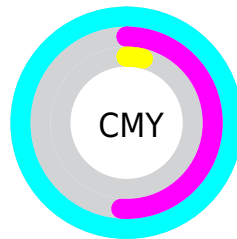
- Red (0%)
- Green (49%)
- Blue (96%)



- 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 21.3211, 0.1771, 0.1575 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 21.3211, 0.1771, 0.1575 by changing the saturation by 10% instead.


 21.3211, 0.1771,
0.1575


 21.3211, 0.1771,
0.1575


258.9801, 0.2471,
0.2414


 13.3589, 0.1604,
0.1388


 45.6213, 0.2023,
0.1866

 7.6762, 0.1399,
0.1165


 62.7282, 0.2119,
0.1980


 3.8884, 0.1147,
0.0902

 83.6520, 0.2200,
0.2078

 1.6114, 0.0843,
0.0604

 108.7772, 0.2270,
0.2164

 0.3652, 0.0499,
0.0237

 138.4883, 0.2331,
0.2238

 0.0000, 0.0000,
0.0000

173.1695, 0.2383,

0.2304

213.2053, 0.2430,
0.2362

■ 21.3211, 0.1771,
0.1575

■ 21.3211, 0.1771,
0.1575

■ 21.3025, 0.1771,
0.1574

■ 24.7801, 0.1838,
0.1752

■ 28.8810, 0.1928,
0.1940

■ 33.7149, 0.2042,
0.2134

■ 39.3408, 0.2176,
0.2328

■ 45.8096, 0.2325,
0.2518

■ 53.1668, 0.2484,
0.2699

■ 61.4540, 0.2647,
0.2868

■ 70.7095, 0.2812,
0.3023

■ 80.9693, 0.2973,
0.3164

Harmonies

Analogous

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



21.3211, 0.1305, 0.1676



21.3211, 0.1771, 0.1575



21.3211, 0.2661, 0.1774

Triad

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



21.3211, 0.1771, 0.1575



21.3211, 0.5539, 0.3647



21.3211, 0.2110, 0.4801

Complementary

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



21.3211, 0.1771, 0.1575



33.3258, 0.5455, 0.4050

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.



21.3211, 0.3145, 0.5668



21.3211, 0.1771, 0.1575



21.3211, 0.5129, 0.4475

Square

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



21.3211, 0.1771, 0.1575



21.3211, 0.5116, 0.2903



21.3211, 0.4228, 0.5316



21.3211, 0.1423, 0.3261

Rectangle

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



21.3211, 0.1771, 0.1575



21.3211, 0.3487, 0.2060



21.3211, 0.4228, 0.5316



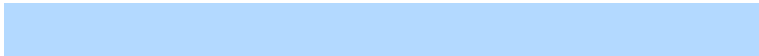
21.3211, 0.2432, 0.5231

Sweetspot

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



21.3217, 0.1771, 0.1575



66.5447, 0.2646, 0.2866



67.2720, 0.2748, 0.5093



13.4048, 0.2576, 0.2796



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.



21.3217, 0.1771, 0.1575



23.0425, 0.1770, 0.1571



6.7497, 0.1502, 0.0608



17.3176, 0.2980, 0.3170



11.6475, 0.1779, 0.1603



1.2294, 0.1841, 0.1827

Inverse Universe

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



21.0846, 0.4963, 0.2508



22.8573, 0.4968, 0.2510



83.0741, 0.4223, 0.5029



16.6229, 0.3214, 0.3170



11.2752, 0.4928, 0.2488



1.0117, 0.4654, 0.2337

Previews

White Background



This preview shows how the Yxy color 21.3211, 0.1771, 0.1575 looks on a white background.

Color Contrast Check

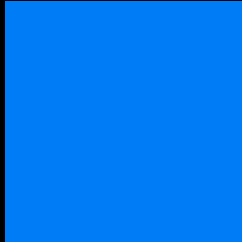
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3211, 0.1771, 0.1575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

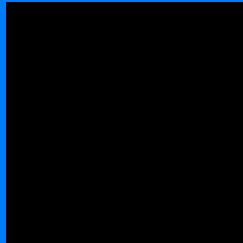
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

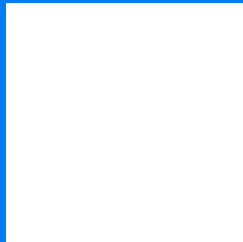
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.3211, 0.1771, 0.1575

Background



This preview shows how black text looks on a background with the Yxy color 21.3211, 0.1771, 0.1575.



This preview shows how white text looks on a background with the Yxy color 21.3211, 0.1771, 0.1575.

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

21.3211, 0.1771, 0.1575

Protanopia

21.2600, 0.1857, 0.1590

Deuteranopia

21.1915, 0.1834, 0.1801

Trichromacy



Original Color

21.3211, 0.1771, 0.1575

Protanomaly

21.0726, 0.1807, 0.1577

Deuteranomaly

21.3215, 0.1812, 0.1723

Monochromacy



Original Color

21.3211, 0.1771, 0.1575

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.5749, 0.2225, 0.2398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3211, 0.1771, 0.1575 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, 125, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 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, 125, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 246) }
```

Border

The CSS property to change the border of an element to Yxy 21.3211, 0.1771, 0.1575 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, 125, 246) }
```

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

```
.border{ border-color:rgb(0, 125, 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, 125, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
246) }
```

Background

The CSS property to change the background color of an element to Yxy 21.3211, 0.1771, 0.1575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 246) }
```

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

```
.background{ background-color: rgb(0, 125,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor