

# Converting Colors

$Yxy(15.4027, 0.1149, 0.1302)$

Have a look what the booklet for  
Yxy(15.4027, 0.1149, 0.1302)  
contains.

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# Color

**Yxy(20.5729, 0.1760, 0.1534)**

# Conversions

## Conversions Part 1

Format	Color
Hex	017AF6
RGB	1, 122, 246
RGB Percent	0%, 48%, 96%
CMY	0.9969, 0.5217, 0.0352
CMYK	1.00, 0.50, 0.00, 0.04
HSL	210°, 99%, 48%
HSV	210°, 100%, 96%
XYZ	23.6038, 20.5729, 89.9360
YIQ	99.9570, -111.9200, 12.9120

# Conversions

## Conversions Part 2

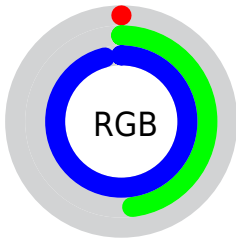
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	1, 82, 246
Decimal	97014
CIE Lab	52.48, 19.11, -69.59
CIE LCh	52, 72.163, 285.359
Yxy	20.5729, 0.1760, 0.1534
Android (android.graphics.Color)	4278287094 (0xFF017AF6)
YUV	99.9570, 71.9992, -86.7853
Hunter-Lab	45.3574, 13.5155, -85.8120

# Details

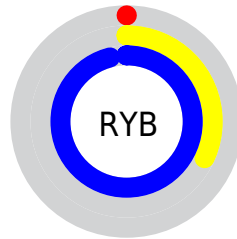
The Yxy color **20.5729, 0.1760, 0.1534** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **34.2253, 0.5410, 0.4084**, and the grayscale version is **12.5473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8071, 0.2191, 0.2257**, and **8.7063, 0.1681, 0.1251** is the 20% darker color. If you saturate the color by 10%, you get **20.4709, 0.1758, 0.1528**, and if you desaturate by 10%, it is **24.0336, 0.1829, 0.1715**.

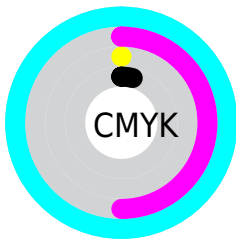
# Distribution



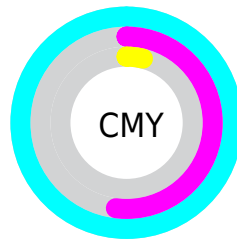
- Red (0%)
- Green (48%)
- Blue (96%)



- Red (0%)
- Yellow (32%)
- Blue (96%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (4%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5729, 0.1760, 0.1534 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 20.5729, 0.1760, 0.1534 by changing the saturation by 10% instead.





 20.5729, 0.1760,  
0.1534


 20.5729, 0.1760,  
0.1534


254.9999, 0.2468,  
0.2391

 12.8122, 0.1591,  
0.1344


 44.3756, 0.2015,  
0.1831

 7.2993, 0.1383,  
0.1119


 61.1864, 0.2112,  
0.1947


 3.6500, 0.1128,  
0.0856

 81.7827, 0.2195,  
0.2047

 1.4798, 0.0822,  
0.0560

 106.5488, 0.2265,  
0.2135

 0.2744, 0.0478,  
0.0180

 135.8692, 0.2326,  
0.2211

 0.0000, 0.0000,  
0.0000

170.1282, 0.2380,

0.2278

209.7104, 0.2427,  
0.2337

■ 20.5729, 0.1760,  
0.1534

■ 20.5729, 0.1760,  
0.1534

■ 20.4709, 0.1758,  
0.1528

■ 24.0336, 0.1829,  
0.1715

■ 28.1587, 0.1921,  
0.1907

■ 33.0379, 0.2037,  
0.2106

■ 38.7308, 0.2173,  
0.2305

■ 45.2894, 0.2325,  
0.2500

■ 52.7600, 0.2485,  
0.2686

■ 61.1848, 0.2650,  
0.2860

■ 70.6032, 0.2815,  
0.3020

■ 81.0517, 0.2977,  
0.3164

# Harmonies

## Analogous

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



20.5729, 0.1272, 0.1620



20.5729, 0.1760, 0.1534



20.5729, 0.2689, 0.1749

# Triad

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



20.5729, 0.1760, 0.1534



20.5729, 0.5610, 0.3669



20.5729, 0.2032, 0.4805

# Complementary

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



20.5729, 0.1760, 0.1534



34.2253, 0.5410, 0.4084

# 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.



20.5729, 0.3083, 0.5754



20.5729, 0.1760, 0.1534



20.5729, 0.5143, 0.4521

# Square

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



20.5729, 0.1760, 0.1534



20.5729, 0.5222, 0.2912



20.5729, 0.4196, 0.5397



20.5729, 0.1355, 0.3193



# Rectangle

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



20.5729, 0.1760, 0.1534



20.5729, 0.3551, 0.2046



20.5729, 0.4196, 0.5397



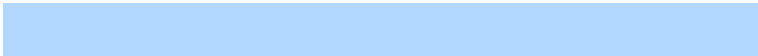
20.5729, 0.2357, 0.5269

# Sweetspot

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



20.5734, 0.1760, 0.1534



66.0117, 0.2644, 0.2854



67.3726, 0.2732, 0.5032



13.2789, 0.2574, 0.2782



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.



20.5734, 0.1760, 0.1534



22.1448, 0.1757, 0.1525



6.6776, 0.1501, 0.0602



17.2793, 0.2980, 0.3167



11.2039, 0.1766, 0.1557



1.1900, 0.1829, 0.1785



# Inverse Universe

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



21.0191, 0.5015, 0.2538



22.7667, 0.5027, 0.2543



85.5266, 0.4193, 0.5052



16.6191, 0.3216, 0.3174



11.2304, 0.4985, 0.2520



1.0078, 0.4703, 0.2364



# Previews

## White Background



This preview shows how the Yxy color 20.5729, 0.1760, 0.1534 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

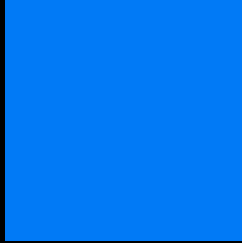
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 20.5729, 0.1760, 0.1534 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

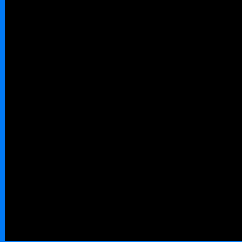
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

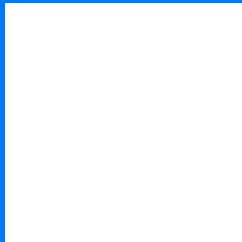
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 20.5729, 0.1760, 0.1534**

## **Background**



This preview shows how black text looks on a background with the Yxy color 20.5729, 0.1760, 0.1534.



This preview shows how white text looks on a background with the Yxy color 20.5729, 0.1760, 0.1534.

# 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

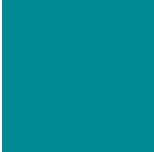
20.5793, 0.1760, 0.1535

### Protanopia

20.5930, 0.1822, 0.1547

### Deuteranopia

20.3992, 0.1838, 0.1817



## **Tritanopia**

20.2835, 0.2195, 0.3101

# Trichromacy



**Original Color**

20.5793, 0.1760, 0.1535

**Protanomaly**

20.5586, 0.1789, 0.1540

**Deuteranomaly**

20.3804, 0.1807, 0.1703

**Tritanomaly**

19.9214, 0.1988, 0.2358

# Monochromacy



**Original Color**

20.5793, 0.1760, 0.1535

**Achromatopsia**

12.7438, 0.3127, 0.3290

**Achromatomaly**

14.1150, 0.2223, 0.2372

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 20.5729, 0.1760, 0.1534 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(1, 122, 246)` looks like.

```
.text, #text, p{  
    color:rgb(1, 122, 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(1, 122, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 122, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 20.5729, 0.1760, 0.1534 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(1, 122, 246) }
```

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

```
.border{ border-color:rgb(1, 122, 246) }
```

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

Here you see how a box with a 4 pixel rgb(1, 122, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 122, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 122, 246);  
box-shadow:4px 4px 4px 4px rgb(1, 122,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 20.5729, 0.1760, 0.1534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 122, 246) }
```

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

```
.background{ background-color: rgb(1, 122,  
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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