

Converting Colors

$Yxy(19.9677, 0.1735, 0.1439)$

Have a look what the booklet for
Yxy(19.9677, 0.1735, 0.1439)
contains.

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Color

Yxy(20.0045, 0.1736, 0.1441)

Conversions

Conversions Part 1

Format	Color
Hex	0476FC
RGB	4, 118, 252
RGB Percent	2%, 46%, 99%
CMY	0.9845, 0.5374, 0.0116
CMYK	0.98, 0.53, 0.00, 0.01
HSL	212°, 98%, 50%
HSV	212°, 98%, 99%
XYZ	24.0998, 20.0045, 94.7194
YIQ	99.1900, -110.9580, 17.5060

Conversions

Conversions Part 2

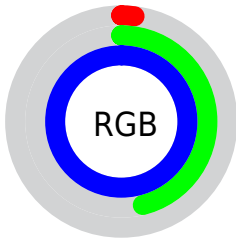
Format	Color
R _Y B	4, 82, 252
Decimal	292604
CIE Lab	51.84, 24.04, -73.95
CIE LCh	52, 77.763, 288.010
Yxy	20.0045, 0.1736, 0.1441
Android (android.graphics.Color)	4278482684 (0xFF0476FC)
YUV	99.1900, 75.3353, -83.4816
Hunter-Lab	44.7264, 17.9095, -94.2531

Details

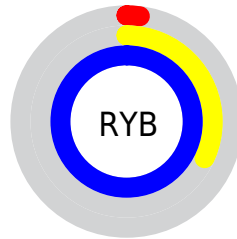
The Yxy color **20.0045, 0.1736, 0.1441** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **38.8947, 0.5287, 0.4174**, and the grayscale version is **12.3472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1066, 0.2191, 0.2194**, and **8.4015, 0.1656, 0.1160** is the 20% darker color. If you saturate the color by 10%, you get **19.4830, 0.1726, 0.1413**, and if you desaturate by 10%, it is **23.6847, 0.1809, 0.1630**.

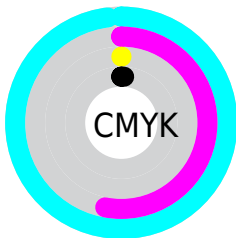
Distribution



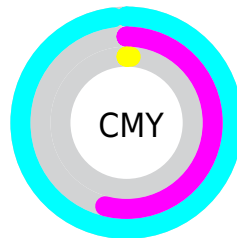
- Red (2%)
- Green (46%)
- Blue (99%)



- Red (2%)
- Yellow (32%)
- Blue (99%)



- Cyan (98%)
- Magenta (53%)
- Yellow (0%)
- Black (1%)



- Cyan (98%)
- Magenta (54%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0045, 0.1736, 0.1441 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 20.0045, 0.1736, 0.1441 by changing the saturation by 10% instead.

■ 20.0045, 0.1736,
0.1441

■ 20.0045, 0.1736,
0.1441

251.9395, 0.2456,
0.2329

■ 12.3983, 0.1565,
0.1249

■ 43.4247, 0.1994,
0.1744

■ 7.0156, 0.1357,
0.1026

■ 60.0076, 0.2093,
0.1865

■ 3.4718, 0.1104,
0.0769

■ 80.3514, 0.2177,
0.1969

■ 1.3827, 0.0802,
0.0488

■ 104.8406, 0.2249,
0.2060

■ 0.2040, 0.0470,
0.0123

■ 133.8597, 0.2311,
0.2139

■ 0.0000, 0.0000,
0.0000

167.7929, 0.2366,

0.2210

207.0247, 0.2414,
0.2273

■ 20.0045, 0.1736,
0.1441

■ 20.0045, 0.1736,
0.1441

■ 19.4830, 0.1726,
0.1413

■ 23.6847, 0.1809,
0.1630

■ 28.1390, 0.1908,
0.1834

■ 33.4542, 0.2032,
0.2046

■ 39.6957, 0.2175,
0.2259

■ 46.9210, 0.2333,
0.2468

■ 55.1813, 0.2499,
0.2666

■ 64.5241, 0.2667,
0.2851

■ 74.9931, 0.2834,
0.3021

■ 86.6294, 0.2996,
0.3174

Harmonies

Analogous

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



20.0045, 0.1197, 0.1494



20.0045, 0.1736, 0.1441



20.0045, 0.2760, 0.1690

Triad

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



20.0045, 0.1736, 0.1441



20.0045, 0.5765, 0.3712



20.0045, 0.1849, 0.4803

Complementary

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



20.0045, 0.1736, 0.1441



38.8947, 0.5287, 0.4174

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.



20.0045, 0.2927, 0.5962



20.0045, 0.1736, 0.1441



20.0045, 0.5163, 0.4622

Square

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



20.0045, 0.1736, 0.1441



20.0045, 0.5473, 0.2928



20.0045, 0.4107, 0.5590



20.0045, 0.1200, 0.3027

Rectangle

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



20.0045, 0.1736, 0.1441



20.0045, 0.3710, 0.2015



20.0045, 0.4107, 0.5590



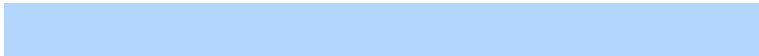
20.0045, 0.2176, 0.5354

Sweetspot

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



20.0050, 0.1736, 0.1441



64.6644, 0.2641, 0.2823



71.4566, 0.2696, 0.4898



12.9612, 0.2569, 0.2746



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.



20.0050, 0.1736, 0.1441



19.9876, 0.1726, 0.1412



7.1962, 0.1512, 0.0612



17.9575, 0.2979, 0.3158



10.4327, 0.1734, 0.1443



1.1756, 0.1797, 0.1669

Inverse Universe

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



22.0958, 0.5134, 0.2610



22.5489, 0.5175, 0.2625



88.8468, 0.4133, 0.5095



17.3579, 0.3222, 0.3181



11.4641, 0.5134, 0.2602



1.0829, 0.4845, 0.2443

Previews

White Background



This preview shows how the Yxy color 20.0045, 0.1736, 0.1441 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 20.0045, 0.1736, 0.1441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

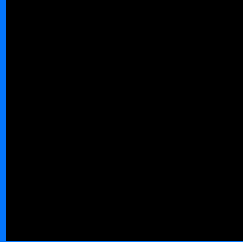
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

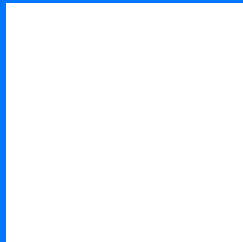
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.0045, 0.1736, 0.1441

Background



This preview shows how black text looks on a background with the Yxy color 20.0045, 0.1736, 0.1441.



This preview shows how white text looks on a background with the Yxy color 20.0045, 0.1736, 0.1441.

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

20.0110, 0.1736, 0.1442

Protanopia

19.9851, 0.1734, 0.1441

Deuteranopia

19.9315, 0.1844, 0.1839



Tritanopia

19.6527, 0.2194, 0.3099

Trichromacy



Original Color

20.0110, 0.1736, 0.1442

Protanomaly

19.9916, 0.1734, 0.1441

Deuteranomaly

19.8855, 0.1799, 0.1673

Tritanomaly

19.1677, 0.1969, 0.2286

Monochromacy



Original Color

20.0110, 0.1736, 0.1442

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.7646, 0.2200, 0.2297

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0045, 0.1736, 0.1441 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(4, 118, 252)` looks like.

```
.text, #text, p{  
  color:rgb(4, 118, 252)  
}
```

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(4, 118, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 118, 252) }
```

Border

The CSS property to change the border of an element to Yxy 20.0045, 0.1736, 0.1441 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(4, 118, 252) }
```

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

```
.border{ border-color:rgb(4, 118, 252) }
```

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

Here you see how a box with a 4 pixel rgb(4, 118, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 118, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 118, 252);  
box-shadow:4px 4px 4px 4px rgb(4, 118,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0045, 0.1736, 0.1441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 118, 252) }
```

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

```
.background{ background-color: rgb(4, 118,  
252) }
```

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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