

Converting Colors

$Yxy(16.9894, 0.1679, 0.1244)$

Have a look what the booklet for
Yxy(16.9894, 0.1679, 0.1244)
contains.

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Color

Yxy(16.9205, 0.1678, 0.1240)

Conversions

Conversions Part 1

Format	Color
Hex	0067FF
RGB	0, 103, 255
RGB Percent	0%, 40%, 100%
CMY	0.9991, 0.5961, 0.0001
CMYK	1.00, 0.60, 0.00, 0.00
HSL	216°, 100%, 50%
HSV	216°, 100%, 100%
XYZ	22.8973, 16.9205, 96.6379
YIQ	89.5310, -110.1800, 25.4360

Conversions

Conversions Part 2

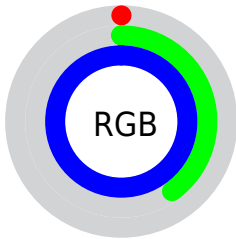
Format	Color
R _Y B	0, 73, 255
Decimal	26623
CIE Lab	48.16, 34.56, -81.58
CIE LCh	48, 88.602, 292.960
Yxy	16.9205, 0.1678, 0.1240
Android (android.graphics.Color)	4278216703 (0xFF0067FF)
YUV	89.5310, 81.5762, -78.5187
Hunter-Lab	41.1345, 27.3754, -110.4966

Details

The Yxy color **16.9205, 0.1678, 0.1240** 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 **43.7729, 0.5148, 0.4294**, and the grayscale version is **9.9640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5799, 0.2151, 0.1985**, and **7.0573, 0.1605, 0.0977** is the 20% darker color. If you saturate the color by 10%, you get **16.8920, 0.1677, 0.1238**, and if you desaturate by 10%, it is **20.4415, 0.1751, 0.1433**.

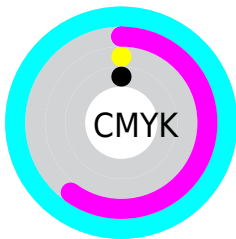
Distribution



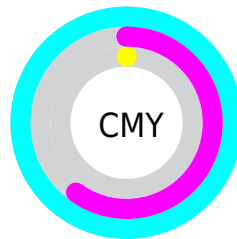
- Red (0%)
- Green (40%)
- Blue (100%)



- Red (0%)
- Yellow (29%)
- Blue (100%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9205, 0.1678, 0.1240 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 16.9205, 0.1678, 0.1240 by changing the saturation by 10% instead.


 16.9205, 0.1678,
0.1240


 16.9205, 0.1678,
0.1240


234.7138, 0.2439,
0.2204


 10.1778, 0.1498,
0.1042


 38.1890, 0.1951,
0.1562


 5.5170, 0.1280,
0.0817


 53.4837, 0.2056,
0.1693


 2.5537, 0.1019,
0.0569

 72.3978, 0.2145,
0.1806

 0.9034, 0.0714,
0.0318

 95.3157, 0.2221,
0.1906

 0.0000, 0.0386,
0.0000

 122.6219, 0.2287,
0.1994

 0.0000, 0.0000,
0.0000

154.7007, 0.2344,

0.2072

191.9366, 0.2394,
0.2142

■ 16.9205, 0.1678,
0.1240

■ 16.9205, 0.1678,
0.1240

■ 16.8920, 0.1677,
0.1238

■ 20.4415, 0.1751,
0.1433

■ 24.8191, 0.1851,
0.1648

■ 30.1635, 0.1978,
0.1877

■ 36.5507, 0.2126,
0.2112

■ 44.0470, 0.2290,
0.2344

■ 52.7120, 0.2462,
0.2567

■ 62.6007, 0.2637,
0.2775

■ 73.7638, 0.2808,
0.2965

■ 86.2491, 0.2973,
0.3138

Harmonies

Analogous

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



16.9205, 0.1036, 0.1229



16.9205, 0.1678, 0.1240



16.9205, 0.2927, 0.1555

Triad

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



16.9205, 0.1678, 0.1240



16.9205, 0.6056, 0.3753



16.9205, 0.1436, 0.4762

Complementary

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



16.9205, 0.1678, 0.1240



43.7729, 0.5148, 0.4294

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.



16.9205, 0.2540, 0.6482



16.9205, 0.1678, 0.1240



16.9205, 0.5162, 0.4838

Square

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



16.9205, 0.1678, 0.1240



16.9205, 0.6039, 0.2926



16.9205, 0.3876, 0.6087



16.9205, 0.0878, 0.2635

Rectangle

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



16.9205, 0.1678, 0.1240



16.9205, 0.4100, 0.1935



16.9205, 0.3876, 0.6087



16.9205, 0.1757, 0.5539

Sweetspot

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



16.9209, 0.1678, 0.1240



62.5242, 0.2635, 0.2773



73.6643, 0.2652, 0.4745



12.4584, 0.2562, 0.2687



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.



16.9209, 0.1678, 0.1240



16.8969, 0.1677, 0.1238



7.3873, 0.1520, 0.0612



18.5808, 0.2979, 0.3144



9.1029, 0.1686, 0.1269



1.0938, 0.1748, 0.1492

Inverse Universe

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



22.2380, 0.5410, 0.2754



22.2369, 0.5412, 0.2755



88.9471, 0.4045, 0.5170



18.1085, 0.3231, 0.3194



11.6469, 0.5370, 0.2732



1.1550, 0.5070, 0.2567

Previews

White Background



This preview shows how the Yxy color 16.9205, 0.1678, 0.1240 looks on a white background.

Color Contrast Check

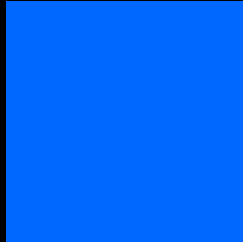
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.9205, 0.1678, 0.1240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

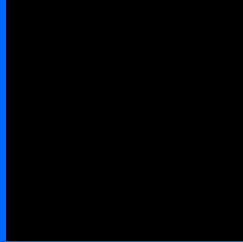
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

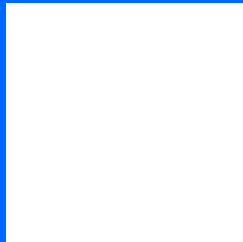
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.9205, 0.1678, 0.1240

Background



This preview shows how black text looks on a background with the Yxy color 16.9205, 0.1678, 0.1240.



This preview shows how white text looks on a background with the Yxy color 16.9205, 0.1678, 0.1240.

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

16.9205, 0.1678, 0.1240

Protanopia

16.7635, 0.1737, 0.1454

Deuteranopia

16.8461, 0.1854, 0.1873



Tritanopia

16.6429, 0.2197, 0.3108

Trichromacy



Original Color

16.9205, 0.1678, 0.1240

Protanomaly

16.8067, 0.1715, 0.1373

Deuteranomaly

16.7028, 0.1777, 0.1598

Tritanomaly

16.1712, 0.1931, 0.2152

Monochromacy



Original Color

16.9205, 0.1678, 0.1240

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.2563, 0.2130, 0.2125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9205, 0.1678, 0.1240 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, 103, 255)` looks like.

```
.text, #text, p{  
  color:rgb(0, 103, 255)  
}
```

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, 103, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.9205, 0.1678, 0.1240 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, 103, 255) }
```

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

```
.border{ border-color:rgb(0, 103, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9205, 0.1678, 0.1240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 255) }
```

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

```
.background{ background-color: rgb(0, 103,  
255) }
```

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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