

Converting Colors

$Yxy(16.8086, 0.1689, 0.1279)$

Have a look what the booklet for
Yxy(16.8086, 0.1689, 0.1279)
contains.

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Color

Yxy(16.8028, 0.1688, 0.1278)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 0068FA |
| RGB | 0, 104, 250 |
| RGB Percent | 0%, 41%, 98% |
| CMY | 1.0000, 0.5920, 0.0198 |
| CMYK | 1.00, 0.58, 0.00, 0.02 |
| HSL | 215°, 100%, 49% |
| HSV | 215°, 100%, 98% |
| XYZ | 22.1934, 16.8028, 92.4811 |
| YIQ | 89.5480, -108.8500, 23.3580 |

Conversions

Conversions Part 2

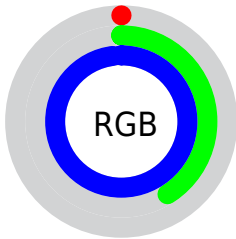
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 0, 73, 250 |
| Decimal | 26874 |
| CIE _{Lab} | 48.01, 31.98, -79.04 |
| CIE _{LCh} | 48, 85.269, 292.030 |
| Yxy | 16.8028, 0.1688, 0.1278 |
| Android (android.graphics.Color) | 4278216954 (0xFF0068FA) |
| YUV | 89.5480, 79.1028, -78.5336 |
| Hunter-Lab | 40.9912, 24.9084, -105.0715 |

Details

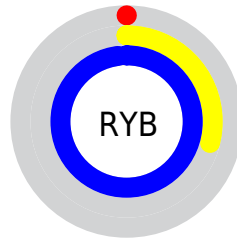
The Yxy color **16.8028, 0.1688, 0.1278** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **40.8498, 0.5186, 0.4264**, and the grayscale version is **9.9613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7759, 0.2144, 0.1995**, and **6.9337, 0.1614, 0.1010** is the 20% darker color. If you saturate the color by 10%, you get **16.8075, 0.1689, 0.1278**, and if you desaturate by 10%, it is **20.2116, 0.1761, 0.1470**.

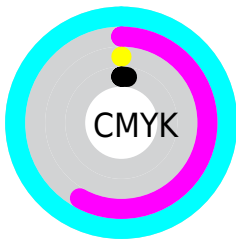
Distribution



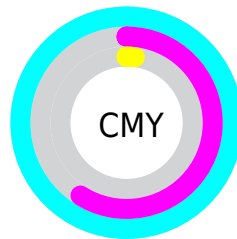
- Red (0%)
- Green (41%)
- Blue (98%)



- Red (0%)
- Yellow (29%)
- Blue (98%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (59%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8028, 0.1688, 0.1278 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 16.8028, 0.1688, 0.1278 by changing the saturation by 10% instead.


 16.8028, 0.1688,
0.1278


 16.8028, 0.1688,
0.1278


234.0334, 0.2447,
0.2235

 10.0940, 0.1507,
0.1078


 37.9864, 0.1962,
0.1601

 5.4613, 0.1287,
0.0849


 53.2300, 0.2066,
0.1731


 2.5204, 0.1022,
0.0595

 72.0873, 0.2154,
0.1843

 0.8868, 0.0712,
0.0334

 94.9427, 0.2230,
0.1942

 0.0000, 0.0368,
0.0000

 122.1806, 0.2295,
0.2029

 0.0000, 0.0000,
0.0000

154.1855, 0.2352,

0.2106

191.3416, 0.2402,
0.2174

■ 16.8028, 0.1688,
0.1278

■ 16.8028, 0.1688,
0.1278

■ 16.8075, 0.1689,
0.1278

■ 20.2116, 0.1761,
0.1470

■ 24.4130, 0.1860,
0.1683

■ 29.5161, 0.1985,
0.1908

■ 35.5916, 0.2132,
0.2138

■ 42.7012, 0.2294,
0.2364

■ 50.9004, 0.2464,
0.2582

■ 60.2402, 0.2637,
0.2785

■ 70.7678, 0.2807,
0.2971

■ 82.5275, 0.2971,
0.3140

Harmonies

Analogous

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



16.8028, 0.1066, 0.1278



16.8028, 0.1688, 0.1278



16.8028, 0.2890, 0.1581

Triad

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



16.8028, 0.1688, 0.1278



16.8028, 0.6007, 0.3749



16.8028, 0.1518, 0.4779

Complementary

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



16.8028, 0.1688, 0.1278



40.8498, 0.5186, 0.4264

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.



16.8028, 0.2622, 0.6375



16.8028, 0.1688, 0.1278



16.8028, 0.5188, 0.4812

Square

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



16.8028, 0.1688, 0.1278



16.8028, 0.5928, 0.2929



16.8028, 0.3927, 0.5980



16.8028, 0.0938, 0.2716

Rectangle

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



16.8028, 0.1688, 0.1278



16.8028, 0.4016, 0.1950



16.8028, 0.3927, 0.5980



16.8028, 0.1842, 0.5508

Sweetspot

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



16.8075, 0.1689, 0.1278



63.0058, 0.2636, 0.2784



70.4146, 0.2651, 0.4745



12.5714, 0.2563, 0.2700



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.



16.8075, 0.1689, 0.1278



17.5560, 0.1688, 0.1276



7.0571, 0.1520, 0.0611



17.8300, 0.2979, 0.3148



9.1869, 0.1697, 0.1308



1.0547, 0.1762, 0.1541

Inverse Universe

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



21.3165, 0.5357, 0.2725



22.3034, 0.5359, 0.2726



85.0243, 0.4045, 0.5170



17.3451, 0.3228, 0.3192



11.3383, 0.5315, 0.2702



1.0707, 0.5006, 0.2531

Previews

White Background



This preview shows how the Yxy color 16.8028, 0.1688, 0.1278 looks on a white background.

Color Contrast Check

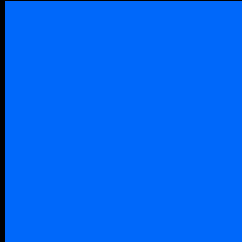
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8028, 0.1688, 0.1278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

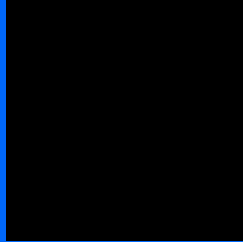
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

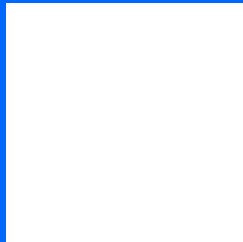
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.8028, 0.1688, 0.1278

Background



This preview shows how black text looks on a background with the Yxy color 16.8028, 0.1688, 0.1278.



This preview shows how white text looks on a background with the Yxy color 16.8028, 0.1688, 0.1278.

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

16.8028, 0.1688, 0.1278

Protanopia

16.7068, 0.1739, 0.1461

Deuteranopia

16.6143, 0.1849, 0.1856



Tritanopia

16.6152, 0.2203, 0.3130

Trichromacy



Original Color

16.8028, 0.1688, 0.1278

Protanomaly

16.6884, 0.1718, 0.1386

Deuteranomaly

16.6503, 0.1780, 0.1606

Tritanomaly

16.0915, 0.1939, 0.2179

Monochromacy



Original Color

16.8028, 0.1688, 0.1278

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.1924, 0.2143, 0.2156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8028, 0.1688, 0.1278 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, 104, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 250)  
}
```

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, 104, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 250) }
```

Border

The CSS property to change the border of an element to Yxy 16.8028, 0.1688, 0.1278 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, 104, 250) }
```

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

```
.border{ border-color:rgb(0, 104, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8028, 0.1688, 0.1278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 250) }
```

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

```
.background{ background-color: rgb(0, 104,  
250) }
```

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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