

Converting Colors

$Yxy(12.9212, 0.1087, 0.1125)$

Have a look what the booklet for
Yxy(12.9212, 0.1087, 0.1125)
contains.

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Color

Yxy(18.0843, 0.1717, 0.1382)

Conversions

Conversions Part 1

Format	Color
Hex	006FF7
RGB	0, 111, 247
RGB Percent	0%, 44%, 97%
CMY	1.0000, 0.5646, 0.0314
CMYK	1.00, 0.55, 0.00, 0.03
HSL	213°, 100%, 48%
HSV	213°, 100%, 97%
XYZ	22.4680, 18.0843, 90.3037
YIQ	93.3150, -109.8120, 18.7640

Conversions

Conversions Part 2

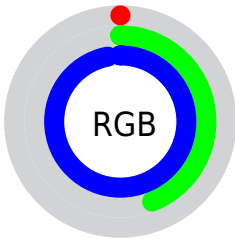
Format	Color
RYB	0, 77, 247
Decimal	28663
CIELab	49.60, 26.41, -74.81
CIELCh	50, 79.331, 289.442
Yxy	18.0843, 0.1717, 0.1382
Android (android.graphics.Color)	4278218743 (0xFF006FF7)
YUV	93.3150, 75.7667, -81.8373
Hunter-Lab	42.5256, 19.8887, -96.1351

Details

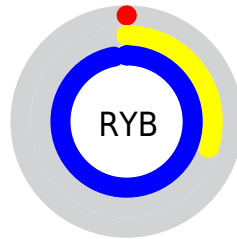
The Yxy color **18.0843, 0.1717, 0.1382** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **37.3792, 0.5283, 0.4187**, and the grayscale version is **10.8653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4402, 0.2161, 0.2099**, and **7.4547, 0.1640, 0.1104** is the 20% darker color. If you saturate the color by 10%, you get **18.0879, 0.1717, 0.1382**, and if you desaturate by 10%, it is **21.4883, 0.1788, 0.1571**.

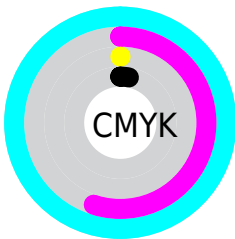
Distribution



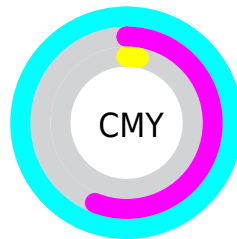
- Red (0%)
- Green (44%)
- Blue (97%)



- Red (0%)
- Yellow (30%)
- Blue (97%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (56%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0843, 0.1717, 0.1382 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 18.0843, 0.1717, 0.1382 by changing the saturation by 10% instead.


 18.0843, 0.1717,
0.1382

 18.0843, 0.1717,
0.1382


241.3458, 0.2456,
0.2302


 11.0105, 0.1540,
0.1184


 40.1809, 0.1984,
0.1696

 6.0739, 0.1324,
0.0954


 55.9726, 0.2085,
0.1821


 2.8901, 0.1061,
0.0693

 75.4389, 0.2172,
0.1929

 1.0746, 0.0750,
0.0415

 98.9644, 0.2245,
0.2023

 0.0000, 0.0404,
0.0000

 126.9335, 0.2309,
0.2106

 0.0000, 0.0000,
0.0000

159.7305, 0.2365,

0.2179

197.7398, 0.2413,
0.2244

■ 18.0843, 0.1717,
0.1382

■ 18.0843, 0.1717,
0.1382

■ 18.0879, 0.1717,
0.1382

■ 21.4883, 0.1788,
0.1571

■ 25.6167, 0.1884,
0.1775

■ 30.5709, 0.2006,
0.1989

■ 36.4156, 0.2148,
0.2207

■ 43.2075, 0.2305,
0.2420

■ 50.9971, 0.2471,
0.2624

■ 59.8308, 0.2641,
0.2815

■ 69.7515, 0.2808,
0.2990

■ 80.7997, 0.2972,
0.3148

Harmonies

Analogous

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



18.0843, 0.1149, 0.1416



18.0843, 0.1717, 0.1382



18.0843, 0.2801, 0.1651

Triad

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



18.0843, 0.1717, 0.1382



18.0843, 0.5858, 0.3728



18.0843, 0.1734, 0.4804

Complementary

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



18.0843, 0.1717, 0.1382



37.3792, 0.5283, 0.4187

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.



18.0843, 0.2826, 0.6104



18.0843, 0.1717, 0.1382



18.0843, 0.5177, 0.4686

Square

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



18.0843, 0.1717, 0.1382



18.0843, 0.5632, 0.2930



18.0843, 0.4048, 0.5715



18.0843, 0.1105, 0.2923

Rectangle

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



18.0843, 0.1717, 0.1382



18.0843, 0.3811, 0.1991



18.0843, 0.4048, 0.5715



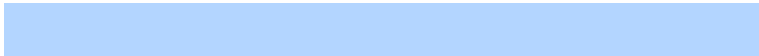
18.0843, 0.2062, 0.5414

Sweetspot

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



18.0879, 0.1717, 0.1382



64.2739, 0.2640, 0.2814



68.2965, 0.2684, 0.4864



12.8693, 0.2568, 0.2735



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.



18.0879, 0.1717, 0.1382



19.3928, 0.1717, 0.1379



6.7963, 0.1511, 0.0606



17.1532, 0.2980, 0.3156



9.8404, 0.1726, 0.1412



1.0670, 0.1792, 0.1652

Inverse Universe

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



20.9227, 0.5215, 0.2646



22.4889, 0.5219, 0.2649



84.1262, 0.4105, 0.5123



16.6063, 0.3223, 0.3184



11.0928, 0.5174, 0.2624



0.9954, 0.4866, 0.2454

Previews

White Background



This preview shows how the Yxy color 18.0843, 0.1717, 0.1382 looks on a white background.

Color Contrast Check

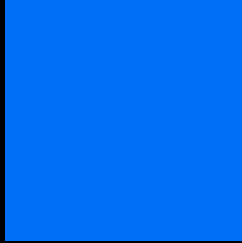
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0843, 0.1717, 0.1382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

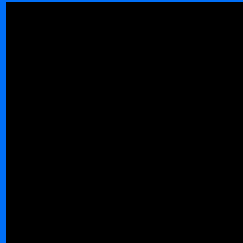
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

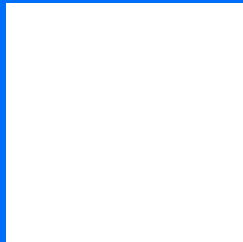
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.0843, 0.1717, 0.1382

Background



This preview shows how black text looks on a background with the Yxy color 18.0843, 0.1717, 0.1382.



This preview shows how white text looks on a background with the Yxy color 18.0843, 0.1717, 0.1382.

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

18.0843, 0.1717, 0.1382

Protanopia

18.1015, 0.1737, 0.1454

Deuteranopia

17.9379, 0.1845, 0.1840



Tritanopia

17.8002, 0.2198, 0.3113

Trichromacy



Original Color

18.0843, 0.1717, 0.1382

Protanomaly

18.0594, 0.1728, 0.1420

Deuteranomaly

17.9965, 0.1792, 0.1650

Tritanomaly

17.3803, 0.1959, 0.2252

Monochromacy



Original Color

18.0843, 0.1717, 0.1382

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.2141, 0.2176, 0.2255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0843, 0.1717, 0.1382 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, 111, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 247)  
}
```

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, 111, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 247) }
```

Border

The CSS property to change the border of an element to Yxy 18.0843, 0.1717, 0.1382 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, 111, 247) }
```

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

```
.border{ border-color:rgb(0, 111, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0843, 0.1717, 0.1382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 247) }
```

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

```
.background{ background-color: rgb(0, 111,  
247) }
```

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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