

Converting Colors

$Yxy(17.4715, 0.1542, 0.1420)$

Have a look what the booklet for
Yxy(17.4715, 0.1542, 0.1420)
contains.

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Color

Yxy(19.3677, 0.1752, 0.1508)

Conversions

Conversions Part 1

Format	Color
Hex	0076F2
RGB	0, 118, 242
RGB Percent	0%, 46%, 95%
CMY	1.0000, 0.5372, 0.0509
CMYK	1.00, 0.51, 0.00, 0.05
HSL	211°, 100%, 47%
HSV	211°, 100%, 95%
XYZ	22.5015, 19.3677, 86.5639
YIQ	96.8540, -110.1320, 13.5480

Conversions

Conversions Part 2

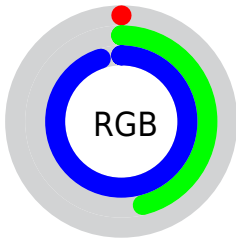
Format	Color
R _{YB}	0, 79, 242
Decimal	30450
CIE _{Lab}	51.11, 20.02, -69.56
CIE _{LCh}	51, 72.387, 286.058
Yxy	19.3677, 0.1752, 0.1508
Android (android.graphics.Color)	4278220530 (0xFF0076F2)
YUV	96.8540, 71.5570, -84.9410
Hunter-Lab	44.0087, 14.2509, -85.8155

Details

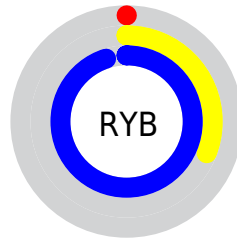
The Yxy color **19.3677, 0.1752, 0.1508** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **33.2934, 0.5395, 0.4098**, and the grayscale version is **11.7606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8471, 0.2172, 0.2189**, and **8.0093, 0.1671, 0.1216** is the 20% darker color. If you saturate the color by 10%, you get **19.3713, 0.1752, 0.1508**, and if you desaturate by 10%, it is **22.6833, 0.1821, 0.1690**.

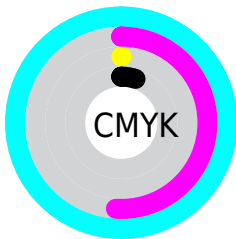
Distribution



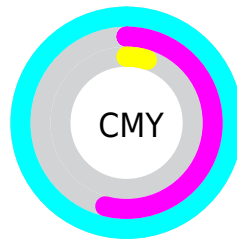
- Red (0%)
- Green (46%)
- Blue (95%)



- Red (0%)
- Yellow (31%)
- Blue (95%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (54%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3677, 0.1752, 0.1508 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 19.3677, 0.1752, 0.1508 by changing the saturation by 10% instead.


 19.3677, 0.1752,
0.1508


 19.3677, 0.1752,
0.1508


248.4712, 0.2470,
0.2382

 11.9363, 0.1579,
0.1314

 42.3545, 0.2012,
0.1811


 6.7003, 0.1366,
0.1084


 58.6787, 0.2110,
0.1930

 3.2754, 0.1105,
0.0816

 78.7359, 0.2194,
0.2032

 1.2771, 0.0792,
0.0518

 102.9105, 0.2266,
0.2121

 0.1234, 0.0434,
0.0088

 131.5870, 0.2327,
0.2199

 0.0000, 0.0000,
0.0000

165.1496, 0.2381,

0.2267

203.9829, 0.2429,
0.2328

■ 19.3677, 0.1752,
0.1508

■ 19.3677, 0.1752,
0.1508

■ 19.3713, 0.1752,
0.1508

■ 22.6833, 0.1821,
0.1690

■ 26.6382, 0.1913,
0.1884

■ 31.3257, 0.2030,
0.2084

■ 36.8041, 0.2166,
0.2287

■ 43.1237, 0.2318,
0.2484

■ 50.3298, 0.2479,
0.2673

■ 58.4635, 0.2645,
0.2850

■ 67.5631, 0.2810,
0.3012

■ 77.6641, 0.2972,
0.3159

Harmonies

Analogous

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



19.3677, 0.1250, 0.1585



19.3677, 0.1752, 0.1508



19.3677, 0.2706, 0.1732

Triad

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



19.3677, 0.1752, 0.1508



19.3677, 0.5655, 0.3680



19.3677, 0.1984, 0.4809

Complementary

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



19.3677, 0.1752, 0.1508



33.2934, 0.5395, 0.4098

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.



19.3677, 0.3043, 0.5810



19.3677, 0.1752, 0.1508



19.3677, 0.5152, 0.4548

Square

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



19.3677, 0.1752, 0.1508



19.3677, 0.5289, 0.2915



19.3677, 0.4176, 0.5448



19.3677, 0.1312, 0.3151

Rectangle

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



19.3677, 0.1752, 0.1508



19.3677, 0.3591, 0.2037



19.3677, 0.4176, 0.5448



19.3677, 0.2310, 0.5295

Sweetspot

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



19.3713, 0.1752, 0.1508



65.7557, 0.2644, 0.2848



64.8906, 0.2732, 0.5036



13.2184, 0.2573, 0.2775



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.



19.3713, 0.1752, 0.1508



21.7225, 0.1751, 0.1503



6.4114, 0.1500, 0.0600



16.5013, 0.2980, 0.3166



10.6773, 0.1761, 0.1537



1.0868, 0.1828, 0.1779

Inverse Universe

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



20.1873, 0.5049, 0.2555



22.7240, 0.5055, 0.2558



82.3889, 0.4193, 0.5053



15.8873, 0.3217, 0.3175



10.8712, 0.5011, 0.2534



0.9244, 0.4710, 0.2368

Previews

White Background



This preview shows how the Yxy color 19.3677, 0.1752, 0.1508 looks on a white background.

Color Contrast Check

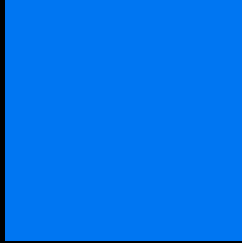
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3677, 0.1752, 0.1508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

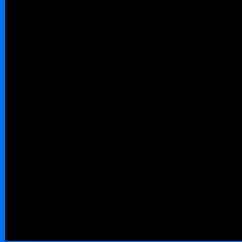
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

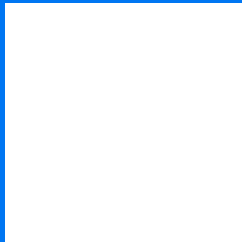
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.3677, 0.1752, 0.1508

Background



This preview shows how black text looks on a background with the Yxy color 19.3677, 0.1752, 0.1508.



This preview shows how white text looks on a background with the Yxy color 19.3677, 0.1752, 0.1508.

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

19.3677, 0.1752, 0.1508

Protanopia

19.5246, 0.1800, 0.1521

Deuteranopia

19.3216, 0.1841, 0.1826



Tritanopia

19.3111, 0.2200, 0.3118

Trichromacy



Original Color

19.3677, 0.1752, 0.1508

Protanomaly

19.2801, 0.1773, 0.1510

Deuteranomaly

19.3553, 0.1806, 0.1701

Tritanomaly

18.9552, 0.1988, 0.2357

Monochromacy



Original Color

19.3677, 0.1752, 0.1508

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.3293, 0.2215, 0.2353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3677, 0.1752, 0.1508 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, 118, 242)` looks like.

```
.text, #text, p{  
  color:rgb(0, 118, 242)  
}
```

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, 118, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 242) }
```

Border

The CSS property to change the border of an element to Yxy 19.3677, 0.1752, 0.1508 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, 118, 242) }
```

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

```
.border{ border-color:rgb(0, 118, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3677, 0.1752, 0.1508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 242) }
```

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

```
.background{ background-color: rgb(0, 118,  
242) }
```

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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