

Converting Colors

$Y_{xy}(8.4355, 0.0638, 0.0532)$

Have a look what the booklet for
Yxy(8.4355, 0.0638, 0.0532)
contains.

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Color

Yxy(15.7694, 0.1659, 0.1172)

Conversions

Conversions Part 1

Format	Color
Hex	0061FF
RGB	0, 97, 255
RGB Percent	0%, 38%, 100%
CMY	0.9998, 0.6196, 0.0001
CMYK	1.00, 0.62, 0.00, 0.00
HSL	217°, 100%, 50%
HSV	217°, 100%, 100%
XYZ	22.3220, 15.7694, 96.4598
YIQ	86.0090, -108.5300, 28.5740

Conversions

Conversions Part 2

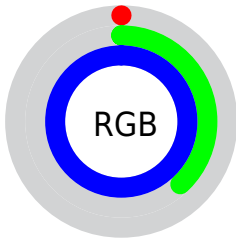
Format	Color
R _{YB}	0, 70, 255
Decimal	25087
CIE Lab	46.67, 38.35, -84.03
CIE LCh	47, 92.371, 294.533
Yxy	15.7694, 0.1659, 0.1172
Android (android.graphics.Color)	4278215167 (0xFF0061FF)
YUV	86.0090, 83.3126, -75.4299
Hunter-Lab	39.7107, 30.8441, -116.2216

Details

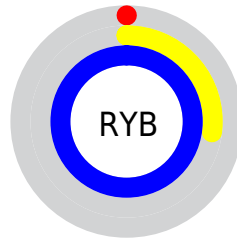
The Yxy color **15.7694, 0.1659, 0.1172** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **45.7165, 0.5083, 0.4346**, and the grayscale version is **9.1491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6648, 0.2135, 0.1908**, and **6.4872, 0.1586, 0.0910** is the 20% darker color. If you saturate the color by 10%, you get **15.7647, 0.1659, 0.1172**, and if you desaturate by 10%, it is **19.1996, 0.1732, 0.1366**.

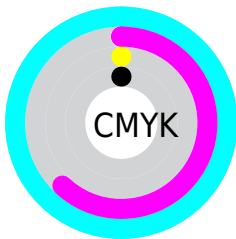
Distribution



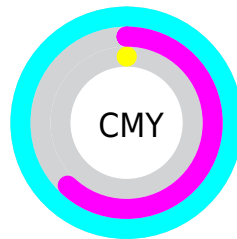
- Red (0%)
- Green (38%)
- Blue (100%)



- Red (0%)
- Yellow (27%)
- Blue (100%)



- Cyan (100%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)




- Cyan (100%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7694, 0.1659, 0.1172 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 15.7694, 0.1659, 0.1172 by changing the saturation by 10% instead.


 15.7694, 0.1659,
0.1172


 15.7694, 0.1659,
0.1172


227.9771, 0.2435,
0.2161

 9.3611, 0.1475,
0.0972


 36.1974, 0.1938,
0.1500


 4.9775, 0.1254,
0.0747


 50.9859, 0.2045,
0.1634

 2.2340, 0.0989,
0.0505

 69.3366, 0.2135,
0.1751

 0.7385, 0.0683,
0.0263

 91.6340, 0.2213,
0.1854

 0.0000, 0.0350,
0.0000

 118.2623, 0.2280,
0.1944

 0.0000, 0.0000,
0.0000

149.6060, 0.2338,

0.2025

186.0495, 0.2390,
0.2097

■ 15.7694, 0.1659,
0.1172

■ 15.7694, 0.1659,
0.1172

■ 15.7647, 0.1659,
0.1172

■ 19.1996, 0.1732,
0.1366

■ 23.5208, 0.1833,
0.1585

■ 28.8474, 0.1963,
0.1820

■ 35.2591, 0.2115,
0.2063

■ 42.8254, 0.2282,
0.2304

■ 51.6090, 0.2457,
0.2536

■ 61.6672, 0.2633,
0.2752

■ 73.0537, 0.2806,
0.2951

■ 85.8183, 0.2971,
0.3130

Harmonies

Analogous

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



15.7694, 0.0982, 0.1141



15.7694, 0.1659, 0.1172



15.7694, 0.2995, 0.1508

Triad

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



15.7694, 0.1659, 0.1172



15.7694, 0.6152, 0.3761



15.7694, 0.1289, 0.4724

Complementary

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



15.7694, 0.1659, 0.1172



45.7165, 0.5083, 0.4346

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.



15.7694, 0.2386, 0.6683



15.7694, 0.1659, 0.1172



15.7694, 0.5113, 0.4887

Square

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



15.7694, 0.1659, 0.1172



15.7694, 0.6237, 0.2912



15.7694, 0.3751, 0.6249



15.7694, 0.0773, 0.2488

Rectangle

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



15.7694, 0.1659, 0.1172



15.7694, 0.4255, 0.1905



15.7694, 0.3751, 0.6249



15.7694, 0.1602, 0.5595

Sweetspot

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



15.7697, 0.1659, 0.1172



61.6593, 0.2633, 0.2752



73.9521, 0.2618, 0.4625



12.2560, 0.2558, 0.2663



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.



15.7697, 0.1659, 0.1172



15.7671, 0.1659, 0.1172



7.4926, 0.1534, 0.0619



18.5101, 0.2979, 0.3139



8.5037, 0.1667, 0.1202



1.0308, 0.1730, 0.1426

Inverse Universe

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



22.1208, 0.5506, 0.2807



22.1228, 0.5507, 0.2807



87.5549, 0.3985, 0.5217



18.1014, 0.3234, 0.3200



11.5864, 0.5464, 0.2784



1.1486, 0.5156, 0.2614

Previews

White Background



This preview shows how the Yxy color 15.7694, 0.1659, 0.1172 looks on a white background.

Color Contrast Check

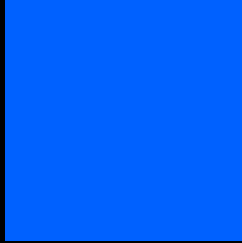
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7694, 0.1659, 0.1172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

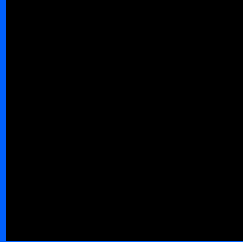
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

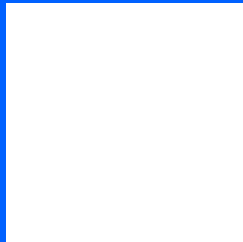
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.7694, 0.1659, 0.1172

Background



This preview shows how black text looks on a background with the Yxy color 15.7694, 0.1659, 0.1172.



This preview shows how white text looks on a background with the Yxy color 15.7694, 0.1659, 0.1172.

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

15.7694, 0.1659, 0.1172

Protanopia

15.6899, 0.1741, 0.1468

Deuteranopia

15.6160, 0.1855, 0.1879



Tritanopia

15.5040, 0.2201, 0.3125

Trichromacy



Original Color

15.7694, 0.1659, 0.1172

Protanomaly

15.6987, 0.1709, 0.1352

Deuteranomaly

15.4217, 0.1765, 0.1553

Tritanomaly

14.9054, 0.1914, 0.2092

Monochromacy



Original Color

15.7694, 0.1659, 0.1172

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.2311, 0.2110, 0.2056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7694, 0.1659, 0.1172 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, 97, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 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, 97, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 255) }
```

Border

The CSS property to change the border of an element to Yxy 15.7694, 0.1659, 0.1172 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, 97, 255) }
```

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

```
.border{ border-color:rgb(0, 97, 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, 97, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 97, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 97, 255)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.7694, 0.1659, 0.1172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 97, 255) }
```

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

```
.background{ background-color: rgb(0, 97,  
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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