

Converting Colors

$Y_{xy}(15.3612, 0.1690, 0.1283)$

Have a look what the booklet for
Yxy(15.3612, 0.1690, 0.1283)
contains.

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Color

Yxy(15.4056, 0.1690, 0.1283)

Conversions

Conversions Part 1

Format	Color
Hex	0064F0
RGB	0, 100, 240
RGB Percent	0%, 39%, 94%
CMY	0.9989, 0.6079, 0.0586
CMYK	1.00, 0.58, 0.00, 0.06
HSL	215°, 100%, 47%
HSV	215°, 100%, 94%
XYZ	20.2926, 15.4056, 84.3766
YIQ	86.0600, -104.5400, 22.3400

Conversions

Conversions Part 2

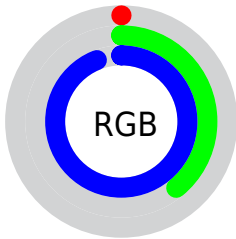
Format	Color
R_{YB}	0, 71, 240
Decimal	25840
CIE _{Lab}	46.18, 30.80, -76.49
CIE _{LCh}	46, 82.457, 291.934
Yxy	15.4056, 0.1690, 0.1283
Android (android.graphics.Color)	4278215920 (0xFF0064F0)
YUV	86.0600, 75.8924, -75.4746
Hunter-Lab	39.2500, 23.5989, -99.9821

Details

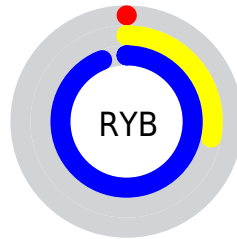
The Yxy color **15.4056, 0.1690, 0.1283** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **37.3933, 0.5180, 0.4268**, and the grayscale version is **9.1898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3477, 0.2123, 0.1940**, and **6.1513, 0.1611, 0.1000** is the 20% darker color. If you saturate the color by 10%, you get **15.3720, 0.1689, 0.1281**, and if you desaturate by 10%, it is **18.5267, 0.1763, 0.1476**.

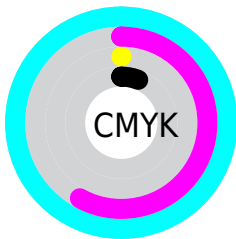
Distribution



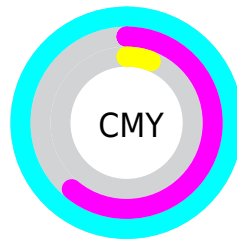
- Red (0%)
- Green (39%)
- Blue (94%)



- Red (0%)
- Yellow (28%)
- Blue (94%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (6%)




- Cyan (100%)
- Magenta (61%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4056, 0.1690, 0.1283 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 15.4056, 0.1690, 0.1283 by changing the saturation by 10% instead.


 15.4056, 0.1690,
0.1283


 15.4056, 0.1690,
0.1283


225.8083, 0.2459,
0.2254


 9.1045, 0.1503,
0.1076


 35.5632, 0.1970,
0.1614


 4.8094, 0.1275,
0.0839


 50.1885, 0.2076,
0.1746

 2.1359, 0.0998,
0.0575

 68.3573, 0.2165,
0.1860

 0.6847, 0.0674,
0.0301

 90.4540, 0.2242,
0.1960

 0.0000, 0.0270,
0.0000

 116.8631, 0.2308,
0.2047

 0.0000, 0.0000,
0.0000

147.9689, 0.2365,

0.2124

184.1558, 0.2415,
0.2193

■ 15.4056, 0.1690,
0.1283

■ 15.4056, 0.1690,
0.1283

■ 15.3720, 0.1689,
0.1281

■ 18.5267, 0.1763,
0.1476

■ 22.3744, 0.1863,
0.1688

■ 27.0436, 0.1988,
0.1913

■ 32.5983, 0.2136,
0.2143

■ 39.0943, 0.2298,
0.2369

■ 46.5817, 0.2468,
0.2586

■ 55.1068, 0.2640,
0.2788

■ 64.7122, 0.2810,
0.2974

■ 75.4381, 0.2974,
0.3142

Harmonies

Analogous

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



15.4056, 0.1070, 0.1285



15.4056, 0.1690, 0.1283



15.4056, 0.2887, 0.1585

Triad

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



15.4056, 0.1690, 0.1283



15.4056, 0.6000, 0.3749



15.4056, 0.1527, 0.4779

Complementary

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



15.4056, 0.1690, 0.1283



37.3933, 0.5180, 0.4268

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.



15.4056, 0.2631, 0.6362



15.4056, 0.1690, 0.1283



15.4056, 0.5190, 0.4810

Square

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



15.4056, 0.1690, 0.1283



15.4056, 0.5915, 0.2930



15.4056, 0.3939, 0.5976



15.4056, 0.0945, 0.2725

Rectangle

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



15.4056, 0.1690, 0.1283



15.4056, 0.4008, 0.1953



15.4056, 0.3939, 0.5976



15.4056, 0.1852, 0.5502

Sweetspot

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



15.4059, 0.1690, 0.1283



62.9900, 0.2636, 0.2784



64.2462, 0.2650, 0.4740



12.5677, 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.



15.4059, 0.1690, 0.1283



17.5341, 0.1688, 0.1275



6.4517, 0.1522, 0.0612



16.3086, 0.2980, 0.3148



8.6599, 0.1697, 0.1310



0.9123, 0.1769, 0.1568

Inverse Universe

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



19.4590, 0.5350, 0.2721



22.3012, 0.5361, 0.2727



77.5730, 0.4046, 0.5169



15.8679, 0.3228, 0.3192



10.6676, 0.5312, 0.2700



0.9068, 0.4971, 0.2512

Previews

White Background



This preview shows how the Yxy color 15.4056, 0.1690, 0.1283 looks on a white background.

Color Contrast Check

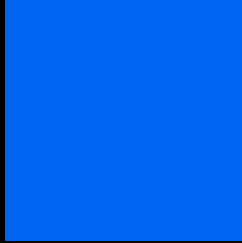
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4056, 0.1690, 0.1283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

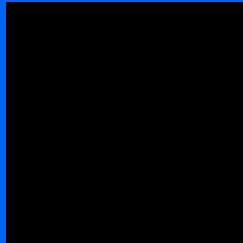
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

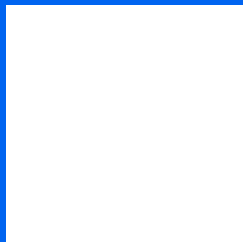
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.4056, 0.1690, 0.1283

Background



This preview shows how black text looks on a background with the Yxy color 15.4056, 0.1690, 0.1283.



This preview shows how white text looks on a background with the Yxy color 15.4056, 0.1690, 0.1283.

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

15.4056, 0.1690, 0.1283

Protanopia

15.3771, 0.1741, 0.1468

Deuteranopia

15.3499, 0.1853, 0.1872



Tritanopia

15.2333, 0.2201, 0.3124

Trichromacy



Original Color

15.4056, 0.1690, 0.1283

Protanomaly

15.3576, 0.1720, 0.1391

Deuteranomaly

15.3286, 0.1784, 0.1621

Tritanomaly

14.6748, 0.1938, 0.2177

Monochromacy



Original Color

15.4056, 0.1690, 0.1283

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.2474, 0.2148, 0.2158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4056, 0.1690, 0.1283 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, 100, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 240)  
}
```

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, 100, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 240) }
```

Border

The CSS property to change the border of an element to Yxy 15.4056, 0.1690, 0.1283 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, 100, 240) }
```

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

```
.border{ border-color:rgb(0, 100, 240) }
```

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

Here you see how a box with a 4 pixel rgb(0, 100, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4056, 0.1690, 0.1283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 240) }
```

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

```
.background{ background-color: rgb(0, 100,  
240) }
```

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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