

Converting Colors

$Yxy(14.8104, 0.1680, 0.1247)$

Have a look what the booklet for
Yxy(14.8104, 0.1680, 0.1247)
contains.

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Color

Yxy(14.8407, 0.1680, 0.1246)

Conversions

Conversions Part 1

Format	Color
Hex	0161F0
RGB	1, 97, 240
RGB Percent	0%, 38%, 94%
CMY	0.9973, 0.6197, 0.0588
CMYK	1.00, 0.60, 0.00, 0.06
HSL	216°, 99%, 47%
HSV	216°, 100%, 94%
XYZ	20.0099, 14.8407, 84.2561
YIQ	84.5980, -103.1190, 24.1210

Conversions

Conversions Part 2

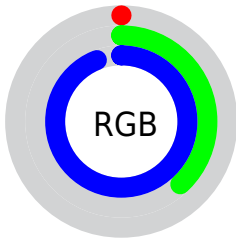
Format	Color
R _Y B	1, 69, 240
Decimal	90608
CIE Lab	45.42, 32.72, -77.73
CIE LCh	45, 84.335, 292.831
Yxy	14.8407, 0.1680, 0.1246
Android (android.graphics.Color)	4278280688 (0xFF0161F0)
YUV	84.5980, 76.6132, -73.3154
Hunter-Lab	38.5236, 25.3001, -102.7083

Details

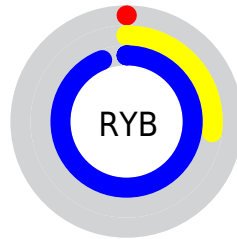
The Yxy color **14.8407, 0.1680, 0.1246** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **38.3928, 0.5138, 0.4300**, and the grayscale version is **8.8272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4024, 0.2114, 0.1902**, and **5.8749, 0.1601, 0.0962** is the 20% darker color. If you saturate the color by 10%, you get **14.7605, 0.1678, 0.1241**, and if you desaturate by 10%, it is **17.9334, 0.1754, 0.1440**.

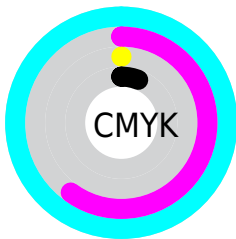
Distribution



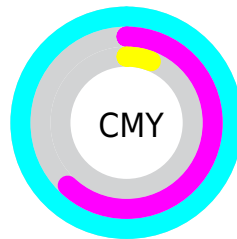
- Red (0%)
- Green (38%)
- Blue (94%)



- Red (0%)
- Yellow (27%)
- Blue (94%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (62%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.8407, 0.1680, 0.1246 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 14.8407, 0.1680, 0.1246 by changing the saturation by 10% instead.


 14.8407, 0.1680,
0.1246


 14.8407, 0.1680,
0.1246


222.4000, 0.2457,
0.2232

 8.7077, 0.1491,
0.1038


 34.5735, 0.1963,
0.1581


 4.5510, 0.1260,
0.0800


 48.9420, 0.2070,
0.1715


 1.9863, 0.0981,
0.0539

 66.8245, 0.2161,
0.1831

 0.5995, 0.0658,
0.0265

 88.6053, 0.2238,
0.1932

 0.0000, 0.0245,
0.0000

 114.6689, 0.2304,
0.2021

 0.0000, 0.0000,
0.0000

145.3996, 0.2362,

0.2100

181.1818, 0.2412,
0.2170

■ 14.8407, 0.1680,
0.1246

■ 14.8407, 0.1680,
0.1246

■ 14.7605, 0.1678,
0.1241

■ 17.9334, 0.1754,
0.1440

■ 21.7732, 0.1855,
0.1655

■ 26.4553, 0.1983,
0.1885

■ 32.0449, 0.2132,
0.2119

■ 38.5990, 0.2296,
0.2351

■ 46.1693, 0.2468,
0.2572

■ 54.8030, 0.2642,
0.2780

■ 64.5440, 0.2812,
0.2970

■ 75.4334, 0.2976,
0.3141

Harmonies

Analogous

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



14.8407, 0.1040, 0.1236



14.8407, 0.1680, 0.1246



14.8407, 0.2922, 0.1560

Triad

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



14.8407, 0.1680, 0.1246



14.8407, 0.6050, 0.3754



14.8407, 0.1448, 0.4763

Complementary

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



14.8407, 0.1680, 0.1246



38.3928, 0.5138, 0.4300

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.



14.8407, 0.2552, 0.6465



14.8407, 0.1680, 0.1246



14.8407, 0.5165, 0.4835

Square

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



14.8407, 0.1680, 0.1246



14.8407, 0.6022, 0.2927



14.8407, 0.3895, 0.6088



14.8407, 0.0887, 0.2647

Rectangle

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



14.8407, 0.1680, 0.1246



14.8407, 0.4087, 0.1938



14.8407, 0.3895, 0.6088



14.8407, 0.1770, 0.5533

Sweetspot

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



14.8410, 0.1680, 0.1246



62.4815, 0.2635, 0.2772



64.2332, 0.2650, 0.4737



12.4484, 0.2562, 0.2686



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.



14.8410, 0.1680, 0.1246



16.8395, 0.1677, 0.1235



6.4624, 0.1522, 0.0613



16.2726, 0.2980, 0.3145



8.3236, 0.1686, 0.1270



0.8824, 0.1758, 0.1530

Inverse Universe

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



19.4048, 0.5401, 0.2751



22.2311, 0.5417, 0.2758



77.5544, 0.4046, 0.5169



15.8642, 0.3230, 0.3195



10.6336, 0.5368, 0.2731



0.9038, 0.5020, 0.2539

Previews

White Background



This preview shows how the Yxy color 14.8407, 0.1680, 0.1246 looks on a white background.

Color Contrast Check

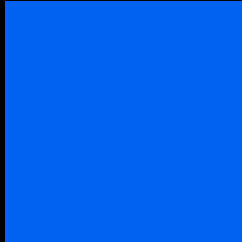
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8407, 0.1680, 0.1246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

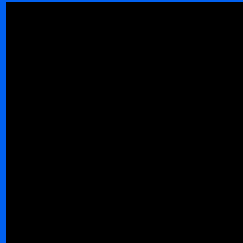
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8407, 0.1680, 0.1246

Background



This preview shows how black text looks on a background with the Yxy color 14.8407, 0.1680, 0.1246.



This preview shows how white text looks on a background with the Yxy color 14.8407, 0.1680, 0.1246.

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

14.8471, 0.1680, 0.1246

Protanopia

14.7625, 0.1741, 0.1469

Deuteranopia

14.7397, 0.1856, 0.1881



Tritanopia

14.7000, 0.2200, 0.3122

Trichromacy



Original Color

14.8471, 0.1680, 0.1246

Protanomaly

14.7983, 0.1718, 0.1383

Deuteranomaly

14.5594, 0.1777, 0.1598

Tritanomaly

14.1589, 0.1934, 0.2164

Monochromacy



Original Color

14.8471, 0.1680, 0.1246

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.8521, 0.2137, 0.2126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8407, 0.1680, 0.1246 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(1, 97, 240)` looks like.

```
.text, #text, p{  
    color:rgb(1, 97, 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(1, 97, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 97, 240) }
```

Border

The CSS property to change the border of an element to Yxy 14.8407, 0.1680, 0.1246 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(1, 97, 240) }
```

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

```
.border{ border-color:rgb(1, 97, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 97, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 97, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 97, 240);  
box-shadow:4px 4px 4px 4px rgb(1, 97, 240)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.8407, 0.1680, 0.1246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 97, 240) }
```

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

```
.background{ background-color: rgb(1, 97,  
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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