

Converting Colors

$Y_{xy}(15.5030, 0.1595, 0.1291)$

Have a look what the booklet for
Yxy(15.5030, 0.1595, 0.1291)
contains.

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Color

Yxy(16.4540, 0.1706, 0.1341)

Conversions

Conversions Part 1

Format	Color
Hex	0069F1
RGB	0, 105, 241
RGB Percent	0%, 41%, 95%
CMY	0.9995, 0.5883, 0.0548
CMYK	1.00, 0.56, 0.00, 0.05
HSL	214°, 100%, 47%
HSV	214°, 100%, 95%
XYZ	20.9325, 16.4540, 85.3129
YIQ	89.1090, -106.2360, 20.0360

Conversions

Conversions Part 2

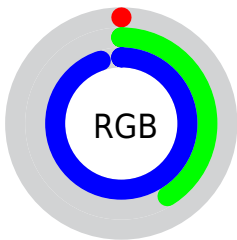
Format	Color
RYB	0, 73, 241
Decimal	27121
CIELab	47.56, 27.96, -74.79
CIELCh	48, 79.843, 290.500
Yxy	16.4540, 0.1706, 0.1341
Android (android.graphics.Color)	4278217201 (0xFF0069F1)
YUV	89.1090, 74.8823, -78.1486
Hunter-Lab	40.5635, 21.1275, -96.3039

Details

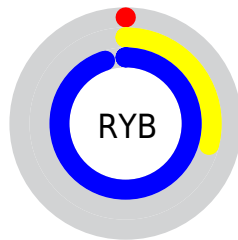
The Yxy color **16.4540, 0.1706, 0.1341** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **36.3606, 0.5239, 0.4222**, and the grayscale version is **9.8727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9777, 0.2137, 0.2005**, and **6.5886, 0.1625, 0.1048** is the 20% darker color. If you saturate the color by 10%, you get **16.4390, 0.1706, 0.1340**, and if you desaturate by 10%, it is **19.6483, 0.1778, 0.1532**.

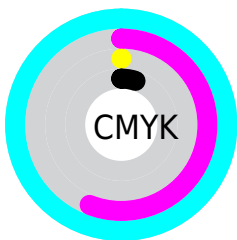
Distribution



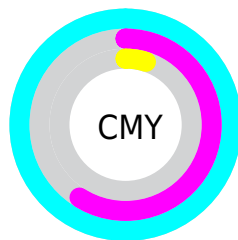
- Red (0%)
- Green (41%)
- Blue (95%)



- Red (0%)
- Yellow (29%)
- Blue (95%)



- Cyan (100%)
- Magenta (56%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (59%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4540, 0.1706, 0.1341 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 16.4540, 0.1706, 0.1341 by changing the saturation by 10% instead.

■ 16.4540, 0.1706,
0.1341

■ 16.4540, 0.1706,
0.1341

■ 232.0060, 0.2461,
0.2287

■ 9.8460, 0.1523,
0.1137

■ 37.3846, 0.1980,
0.1665

■ 5.2970, 0.1299,
0.0901

■ 52.4760, 0.2084,
0.1793

■ 2.4225, 0.1027,
0.0636

■ 71.1639, 0.2172,
0.1905

■ 0.8374, 0.0706,
0.0358

■ 93.8328, 0.2247,
0.2001

■ 0.0000, 0.0320,
0.0000

■ 120.8671, 0.2312,
0.2086

■ 0.0000, 0.0000,
0.0000

152.6511, 0.2368,

0.2161

189.5693, 0.2417,
0.2228

■ 16.4540, 0.1706,
0.1341

■ 16.4540, 0.1706,
0.1341

■ 16.4390, 0.1706,
0.1340

■ 19.6483, 0.1778,
0.1532

■ 23.5490, 0.1876,
0.1739

■ 28.2501, 0.1999,
0.1958

■ 33.8142, 0.2143,
0.2181

■ 40.2957, 0.2302,
0.2399

■ 47.7435, 0.2470,
0.2609

■ 56.2024, 0.2641,
0.2804

■ 65.7142, 0.2809,
0.2984

■ 76.3176, 0.2973,
0.3146

Harmonies

Analogous

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



16.4540, 0.1116, 0.1361



16.4540, 0.1706, 0.1341



16.4540, 0.2836, 0.1624

Triad

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



16.4540, 0.1706, 0.1341



16.4540, 0.5919, 0.3739



16.4540, 0.1649, 0.4795

Complementary

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



16.4540, 0.1706, 0.1341



36.3606, 0.5239, 0.4222

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.



16.4540, 0.2748, 0.6208



16.4540, 0.1706, 0.1341



16.4540, 0.5191, 0.4743

Square

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



16.4540, 0.1706, 0.1341



16.4540, 0.5749, 0.2932



16.4540, 0.4004, 0.5818



16.4540, 0.1038, 0.2842

Rectangle

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



16.4540, 0.1706, 0.1341



16.4540, 0.3890, 0.1976



16.4540, 0.4004, 0.5818



16.4540, 0.1977, 0.5451

Sweetspot

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



16.4544, 0.1706, 0.1341



63.7313, 0.2638, 0.2801



64.6108, 0.2684, 0.4861



12.7417, 0.2566, 0.2720



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.



16.4544, 0.1706, 0.1341



18.5890, 0.1704, 0.1335



6.4347, 0.1511, 0.0606



16.3607, 0.2980, 0.3153



9.1696, 0.1714, 0.1370



0.9572, 0.1785, 0.1625

Inverse Universe

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



19.7281, 0.5270, 0.2677



22.4077, 0.5279, 0.2682



79.5824, 0.4105, 0.5123



15.8731, 0.3225, 0.3188



10.7190, 0.5231, 0.2655



0.9113, 0.4900, 0.2473

Previews

White Background



This preview shows how the Yxy color 16.4540, 0.1706, 0.1341 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 16.4540, 0.1706, 0.1341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

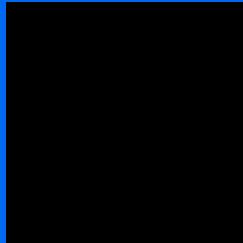
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

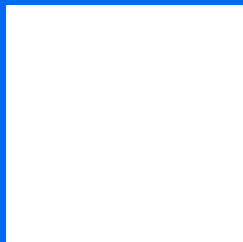
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.4540, 0.1706, 0.1341

Background



This preview shows how black text looks on a background with the Yxy color 16.4540, 0.1706, 0.1341.



This preview shows how white text looks on a background with the Yxy color 16.4540, 0.1706, 0.1341.

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

16.4540, 0.1706, 0.1341

Protanopia

16.3823, 0.1739, 0.1461

Deuteranopia

16.2927, 0.1850, 0.1860



Tritanopia

16.3332, 0.2202, 0.3128

Trichromacy



Original Color

16.4540, 0.1706, 0.1341

Protanomaly

16.3986, 0.1728, 0.1419

Deuteranomaly

16.1730, 0.1787, 0.1634

Tritanomaly

15.9354, 0.1955, 0.2237

Monochromacy



Original Color

16.4540, 0.1706, 0.1341

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.0679, 0.2170, 0.2221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4540, 0.1706, 0.1341 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, 105, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 241)  
}
```

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, 105, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 241) }
```

Border

The CSS property to change the border of an element to Yxy 16.4540, 0.1706, 0.1341 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, 105, 241) }
```

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

```
.border{ border-color:rgb(0, 105, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 105, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 105,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4540, 0.1706, 0.1341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 241) }
```

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

```
.background{ background-color: rgb(0, 105,  
241) }
```

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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