

Converting Colors

$Y_{xy}(16.5576, 0.1734, 0.1210)$

Have a look what the booklet for
Yxy(16.5576, 0.1734, 0.1210)
contains.

Yxy(16.4732, 0.1733, 0.1205)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.4732, 0.1733, 0.1205)

Conversions

Conversions Part 1

Format	Color
Hex	3361FF
RGB	51, 97, 255
RGB Percent	20%, 38%, 100%
CMY	0.7998, 0.6196, 0.0000
CMYK	0.80, 0.62, 0.00, 0.00
HSL	226°, 100%, 60%
HSV	226°, 80%, 100%
XYZ	23.6913, 16.4732, 96.5425
YIQ	101.2580, -78.1340, 39.3860

Conversions

Conversions Part 2

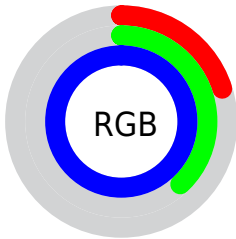
Format	Color
R _Y B	51, 89, 255
Decimal	3367423
CIE Lab	47.59, 40.58, -82.50
CIE LCh	48, 91.941, 296.189
Yxy	16.4732, 0.1733, 0.1205
Android (android.graphics.Color)	4281557503 (0xFF3361FF)
YUV	101.2580, 75.7948, -44.0763
Hunter-Lab	40.5872, 33.1655, -112.6188

Details

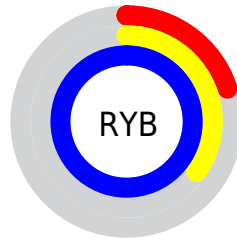
The Yxy color **16.4732, 0.1733, 0.1205** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **67.1229, 0.4475, 0.4647**, and the grayscale version is **12.9023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8333, 0.2224, 0.1937**, and **6.4872, 0.1586, 0.0910** is the 20% darker color. If you saturate the color by 10%, you get **12.7750, 0.1627, 0.0984**, and if you desaturate by 10%, it is **21.4429, 0.1875, 0.1467**.

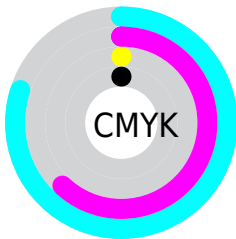
Distribution



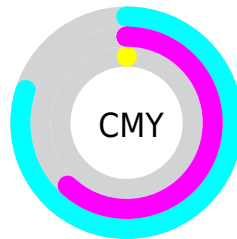
- Red (20%)
- Green (38%)
- Blue (100%)



- Red (20%)
- Yellow (35%)
- Blue (100%)



- Cyan (80%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4732, 0.1733, 0.1205 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 16.4732, 0.1733, 0.1205 by changing the saturation by 10% instead.


 16.4732, 0.1733,
0.1205


 16.4732, 0.1733,
0.1205


232.1180, 0.2474,
0.2177


 9.8596, 0.1555,
0.1007


 37.4178, 0.2001,
0.1528


 5.3060, 0.1339,
0.0784


 52.5176, 0.2103,
0.1660

 2.4279, 0.1077,
0.0540

 71.2149, 0.2189,
0.1774

 0.8402, 0.0769,
0.0295

 93.8941, 0.2263,
0.1875

 0.0000, 0.0436,
0.0000

120.9396, 0.2327,
0.1964

 0.0000, 0.0000,
0.0000

152.7358, 0.2382,

0.2043

189.6672, 0.2431,
0.2114

■ 16.4732, 0.1733,
0.1205

■ 16.4732, 0.1733,
0.1205

■ 12.7750, 0.1627,
0.0984

■ 21.4429, 0.1875,
0.1467

■ 10.1947, 0.1560,
0.0814

■ 27.7977, 0.2045,
0.1754

■ 10.1913, 0.1559,
0.0814

■ 35.6374, 0.2232,
0.2049

■ 45.0520, 0.2426,
0.2339

■ 56.1241, 0.2617,
0.2613

■ 68.9303, 0.2800,
0.2864

■ 83.5423, 0.2971,
0.3090

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



16.4732, 0.1029, 0.1158



16.4732, 0.1733, 0.1205



16.4732, 0.3094, 0.1557

Triad

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



16.4732, 0.1733, 0.1205



16.4732, 0.6080, 0.3828



16.4732, 0.1274, 0.4552

Complementary

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



16.4732, 0.1733, 0.1205



67.1229, 0.4475, 0.4647

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.



16.4732, 0.2344, 0.6571



16.4732, 0.1733, 0.1205



16.4732, 0.5038, 0.4962

Square

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



16.4732, 0.1733, 0.1205



16.4732, 0.6220, 0.2972



16.4732, 0.3702, 0.6298



16.4732, 0.0787, 0.2424

Rectangle

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



16.4732, 0.1733, 0.1205



16.4732, 0.4345, 0.1962



16.4732, 0.3702, 0.6298



16.4732, 0.1576, 0.5410

Sweetspot

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



16.4732, 0.1733, 0.1205



63.5744, 0.2728, 0.2766



76.7499, 0.2462, 0.3901



12.6418, 0.2662, 0.2676



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.



16.4732, 0.1733, 0.1205



11.1074, 0.1583, 0.0875



12.6205, 0.1882, 0.0946



18.0415, 0.2979, 0.3100



5.5069, 0.1566, 0.0837



0.6913, 0.1622, 0.1038

Inverse Universe

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



24.4942, 0.5387, 0.2960



21.8672, 0.5941, 0.3070



84.1230, 0.3756, 0.5236



18.0541, 0.3259, 0.3237



11.2839, 0.6010, 0.3084



1.1143, 0.5702, 0.2915

Previews

White Background



This preview shows how the Yxy color 16.4732, 0.1733, 0.1205 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 16.4732, 0.1733, 0.1205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

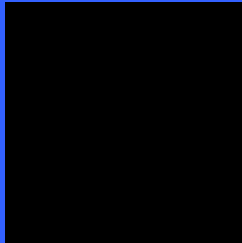
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4732, 0.1733, 0.1205

Background



This preview shows how black text looks on a background with the Yxy color 16.4732, 0.1733, 0.1205.



This preview shows how white text looks on a background with the Yxy color 16.4732, 0.1733, 0.1205.

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

16.4732, 0.1733, 0.1205

Protanopia

16.3266, 0.1741, 0.1468

Deuteranopia

16.2470, 0.1853, 0.1871



Tritanopia

16.0812, 0.2196, 0.3105

Trichromacy



Original Color

16.4732, 0.1733, 0.1205

Protanomaly

16.2121, 0.1724, 0.1353

Deuteranomaly

15.8733, 0.1784, 0.1560

Tritanomaly

15.3474, 0.1938, 0.2092

Monochromacy



Original Color

16.4732, 0.1733, 0.1205

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.3877, 0.2317, 0.2183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4732, 0.1733, 0.1205 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(51, 97, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 97, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 97, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.4732, 0.1733, 0.1205 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(51, 97, 255) }
```

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

```
.border{ border-color:rgb(51, 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(51, 97, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 97, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 97, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 97,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4732, 0.1733, 0.1205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 97, 255) }
```

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

```
.background{ background-color: rgb(51, 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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