

Converting Colors

$Y_{xy}(15.7939, 0.1765, 0.1160)$

Have a look what the booklet for
Yxy(15.7939, 0.1765, 0.1160)
contains.

Yxy(15.7256, 0.1765, 0.1155)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(15.7256, 0.1765, 0.1155)

Conversions

Conversions Part 1

Format	Color
Hex	435AFF
RGB	67, 90, 255
RGB Percent	26%, 35%, 100%
CMY	0.7367, 0.6472, 0.0000
CMYK	0.74, 0.65, 0.00, 0.00
HSL	233°, 100%, 63%
HSV	233°, 74%, 100%
XYZ	24.0309, 15.7256, 96.3959
YIQ	101.9330, -66.6730, 46.4390

Conversions

Conversions Part 2

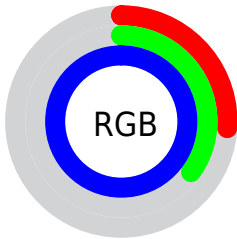
Format	Color
R _Y B	67, 87, 255
Decimal	4414207
CIE Lab	46.61, 46.28, -84.09
CIE LCh	47, 95.986, 298.829
Yxy	15.7256, 0.1765, 0.1155
Android (android.graphics.Color)	4282604287 (0xFF435AFF)
YUV	101.9330, 75.4620, -30.6362
Hunter-Lab	39.6555, 38.7723, -116.3651

Details

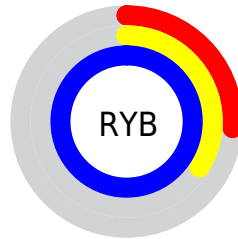
The Yxy color **15.7256, 0.1765, 0.1155** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle washed blue. A complement of this color would be **79.4878, 0.4247, 0.4743**, and the grayscale version is **13.0878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5516, 0.2270, 0.1873**, and **5.8326, 0.1564, 0.0831** is the 20% darker color. If you saturate the color by 10%, you get **11.7858, 0.1636, 0.0917**, and if you desaturate by 10%, it is **21.1980, 0.1933, 0.1444**.

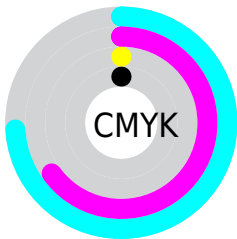
Distribution



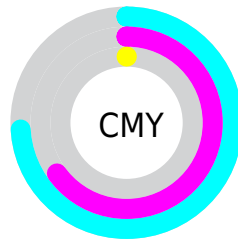
- Red (26%)
- Green (35%)
- Blue (100%)



- Red (26%)
- Yellow (34%)
- Blue (100%)



- Cyan (74%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)



- Cyan (74%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7256, 0.1765, 0.1155 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 15.7256, 0.1765, 0.1155 by changing the saturation by 10% instead.


 15.7256, 0.1765,
0.1155


 15.7256, 0.1765,
0.1155


227.7171, 0.2497,
0.2143


 9.3302, 0.1588,
0.0957


 36.1212, 0.2031,
0.1481


 4.9572, 0.1371,
0.0735


 50.8901, 0.2132,
0.1614

 2.2222, 0.1108,
0.0496

 69.2191, 0.2218,
0.1731

 0.7320, 0.0796,
0.0258

 91.4923, 0.2290,
0.1834

 0.0000, 0.0457,
0.0000

 118.0944, 0.2353,
0.1924

 0.0000, 0.0000,
0.0000

149.4096, 0.2408,

0.2005

185.8224, 0.2455,
0.2078

■ 15.7256, 0.1765,
0.1155

■ 15.7256, 0.1765,
0.1155

■ 11.7858, 0.1636,
0.0917

■ 21.1980, 0.1933,
0.1444

■ 9.2200, 0.1552,
0.0745

■ 28.3456, 0.2125,
0.1763

■ 8.1980, 0.1520,
0.0672

■ 37.2902, 0.2329,
0.2089

■ 48.1433, 0.2533,
0.2407

■ 61.0073, 0.2728,
0.2703

■ 75.9769, 0.2908,
0.2971

■ 93.1413, 0.3072,
0.3210

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.



15.7256, 0.1003, 0.1079



15.7256, 0.1765, 0.1155



15.7256, 0.3245, 0.1539

Triad

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



15.7256, 0.1765, 0.1155



15.7256, 0.6121, 0.3879



15.7256, 0.1113, 0.4377

Complementary

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



15.7256, 0.1765, 0.1155



79.4878, 0.4247, 0.4743

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.



15.7256, 0.2146, 0.6706



15.7256, 0.1765, 0.1155



15.7256, 0.4927, 0.5073

Square

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



15.7256, 0.1765, 0.1155



15.7256, 0.6406, 0.2987



15.7256, 0.3509, 0.6491



15.7256, 0.0691, 0.2229

Rectangle

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



15.7256, 0.1765, 0.1155



15.7256, 0.4586, 0.1966



15.7256, 0.3509, 0.6491



15.7256, 0.1395, 0.5320

Sweetspot

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



15.7244, 0.1765, 0.1155



63.3524, 0.2759, 0.2749



78.4292, 0.2402, 0.3598



12.7493, 0.2708, 0.2673



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.



15.7244, 0.1765, 0.1155



10.5159, 0.1593, 0.0833



16.4891, 0.2115, 0.1154



17.7329, 0.2979, 0.3074



4.3943, 0.1524, 0.0688



0.5354, 0.1566, 0.0836

Inverse Universe

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



26.0299, 0.5405, 0.3120



22.5231, 0.5975, 0.3168



82.3815, 0.3619, 0.5225



18.0229, 0.3275, 0.3261



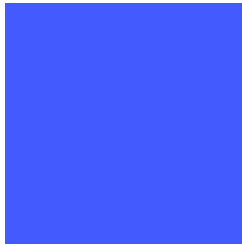
11.1716, 0.6253, 0.3218



1.0986, 0.6012, 0.3085

Previews

White Background



This preview shows how the Yxy color 15.7256, 0.1765, 0.1155 looks on a white background.

Color Contrast Check

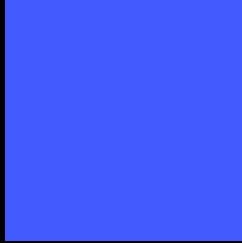
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7256, 0.1765, 0.1155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

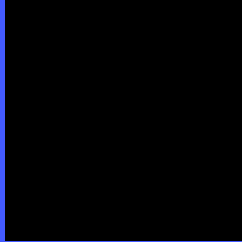
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7256, 0.1765, 0.1155

Background



This preview shows how black text looks on a background with the Yxy color 15.7256, 0.1765, 0.1155.

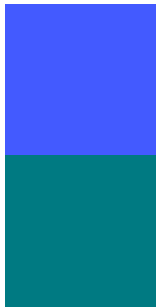


This preview shows how white text looks on a background with the Yxy color 15.7256, 0.1765, 0.1155.

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

15.7256, 0.1765, 0.1155

Tritanopia

15.5308, 0.2195, 0.3103

Trichromacy



Original Color

15.7256, 0.1765, 0.1155



Tritanomaly

14.4412, 0.1935, 0.2041

Monochromacy



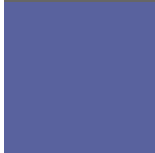
Original Color

15.7256, 0.1765, 0.1155



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

13.3278, 0.2359, 0.2145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7256, 0.1765, 0.1155 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(67, 90, 255)` looks like.

```
.text, #text, p{  
    color:rgb(67, 90, 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(67, 90, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 90, 255) }
```

Border

The CSS property to change the border of an element to Yxy 15.7256, 0.1765, 0.1155 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(67, 90, 255) }
```

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

```
.border{ border-color:rgb(67, 90, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 90, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 90, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 90, 255);  
box-shadow:4px 4px 4px 4px rgb(67, 90,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 15.7256, 0.1765, 0.1155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 90, 255) }
```

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

```
.background{ background-color: rgb(67, 90,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor