

Converting Colors

$Yxy(15.5201, 0.1795, 0.1139)$

Have a look what the booklet for
Yxy(15.5201, 0.1795, 0.1139)
contains.

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Color

Yxy(15.4534, 0.1794, 0.1135)

Conversions

Conversions Part 1

Format	Color
Hex	4D56FF
RGB	77, 86, 255
RGB Percent	30%, 34%, 100%
CMY	0.6985, 0.6626, 0.0001
CMYK	0.70, 0.66, 0.00, 0.00
HSL	237°, 100%, 65%
HSV	237°, 70%, 100%
XYZ	24.4259, 15.4534, 96.2740
YIQ	102.5750, -59.6130, 50.6510

Conversions

Conversions Part 2

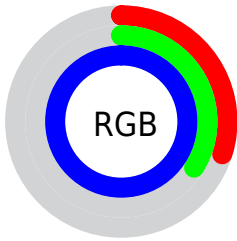
Format	Color
R _Y B	77, 86, 255
Decimal	5068543
CIE Lab	46.25, 49.57, -84.64
CIE LCh	46, 98.085, 300.359
Yxy	15.4534, 0.1794, 0.1135
Android (android.graphics.Color)	4283258623 (0xFF4D56FF)
YUV	102.5750, 75.1455, -22.4293
Hunter-Lab	39.3108, 42.1176, -117.6864

Details

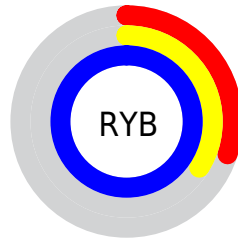
The Yxy color **15.4534, 0.1794, 0.1135** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle washed blue. A complement of this color would be **87.5748, 0.4124, 0.4787**, and the grayscale version is **13.2533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0314, 0.2308, 0.1842**, and **5.5488, 0.1555, 0.0796** is the 20% darker color. If you saturate the color by 10%, you get **11.3621, 0.1650, 0.0887**, and if you desaturate by 10%, it is **21.2664, 0.1976, 0.1441**.

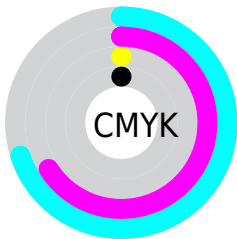
Distribution



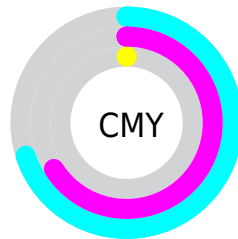
- Red (30%)
- Green (34%)
- Blue (100%)



- Red (30%)
- Yellow (34%)
- Blue (100%)



- Cyan (70%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (66%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4534, 0.1794, 0.1135 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 15.4534, 0.1794, 0.1135 by changing the saturation by 10% instead.


 15.4534, 0.1794,
0.1135


 15.4534, 0.1794,
0.1135


226.0944, 0.2516,
0.2127


 9.1382, 0.1618,
0.0937


 35.6466, 0.2058,
0.1462


 4.8314, 0.1402,
0.0716


 50.2935, 0.2157,
0.1595

 2.1487, 0.1139,
0.0480

 68.4863, 0.2241,
0.1713

 0.6918, 0.0826,
0.0244

 90.6095, 0.2313,
0.1816

 0.0000, 0.0482,
0.0000

 117.0476, 0.2374,
0.1908

 0.0000, 0.0000,
0.0000

148.1848, 0.2428,

0.1989

184.4056, 0.2475,
0.2062

■ 15.4534, 0.1794,
0.1135

■ 15.4534, 0.1794,
0.1135

■ 11.3621, 0.1650,
0.0887

■ 21.2664, 0.1976,
0.1441

■ 8.8018, 0.1554,
0.0714

■ 28.9622, 0.2182,
0.1779

■ 7.5210, 0.1507,
0.0623

■ 38.6845, 0.2394,
0.2125

■ 7.5090, 0.1506,
0.0622

■ 50.5627, 0.2602,
0.2460

■ 64.7155, 0.2796,
0.2769

■ 81.2530, 0.2973,
0.3048

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



15.4534, 0.0998, 0.1043



15.4534, 0.1794, 0.1135



15.4534, 0.3342, 0.1537

Triad

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



15.4534, 0.1794, 0.1135



15.4534, 0.6101, 0.3899



15.4534, 0.1033, 0.4255

Complementary

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



15.4534, 0.1794, 0.1135



87.5748, 0.4124, 0.4787

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.



15.4534, 0.2038, 0.6752



15.4534, 0.1794, 0.1135



15.4534, 0.4856, 0.5144

Square

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



15.4534, 0.1794, 0.1135



15.4534, 0.6491, 0.3000



15.4534, 0.3399, 0.6601



15.4534, 0.0648, 0.2125

Rectangle

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



15.4534, 0.1794, 0.1135



15.4534, 0.4727, 0.1975



15.4534, 0.3399, 0.6601



15.4534, 0.1302, 0.5235

Sweetspot

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



15.4537, 0.1794, 0.1135



62.9844, 0.2775, 0.2735



79.5477, 0.2372, 0.3431



12.6106, 0.2722, 0.2652



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.



15.4537, 0.1794, 0.1135



10.1281, 0.1604, 0.0805



19.3833, 0.2269, 0.1293



17.5277, 0.2978, 0.3057



3.9864, 0.1509, 0.0630



0.4386, 0.1529, 0.0703

Inverse Universe

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



27.2168, 0.5395, 0.3223



23.0785, 0.5993, 0.3243



81.4730, 0.3536, 0.5200



18.0022, 0.3286, 0.3278



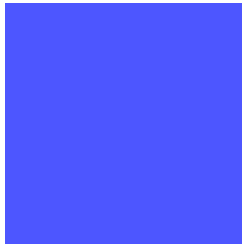
11.1304, 0.6349, 0.3271



1.0888, 0.6228, 0.3204

Previews

White Background



This preview shows how the Yxy color 15.4534, 0.1794, 0.1135 looks on a white background.

Color Contrast Check

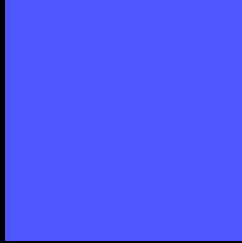
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4534, 0.1794, 0.1135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

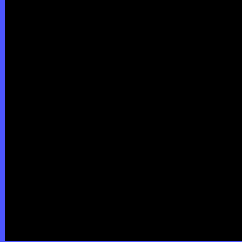
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4534, 0.1794, 0.1135

Background



This preview shows how black text looks on a background with the Yxy color 15.4534, 0.1794, 0.1135.



This preview shows how white text looks on a background with the Yxy color 15.4534, 0.1794, 0.1135.

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

15.4534, 0.1794, 0.1135

Protanopia

15.3236, 0.1743, 0.1476

Deuteranopia

15.3060, 0.1857, 0.1883



Tritanopia

15.2597, 0.2195, 0.3101

Trichromacy



Original Color

15.4534, 0.1794, 0.1135

Protanomaly

14.8654, 0.1725, 0.1311

Deuteranomaly

14.8024, 0.1786, 0.1513

Tritanomaly

14.0671, 0.1934, 0.2004

Monochromacy



Original Color

15.4534, 0.1794, 0.1135

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.3977, 0.2406, 0.2140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4534, 0.1794, 0.1135 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(77, 86, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 86, 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(77, 86, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 86, 255) }
```

Border

The CSS property to change the border of an element to Yxy 15.4534, 0.1794, 0.1135 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(77, 86, 255) }
```

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

```
.border{ border-color:rgb(77, 86, 255) }
```

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

Here you see how a box with a 4 pixel rgb(77, 86, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 86, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 86, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 86,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4534, 0.1794, 0.1135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 86, 255) }
```

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

```
.background{ background-color: rgb(77, 86,  
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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