

Converting Colors

$Yxy(15.3777, 0.1702, 0.1142)$

Have a look what the booklet for
Yxy(15.3777, 0.1702, 0.1142)
contains.

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Color

Yxy(15.4322, 0.1704, 0.1145)

Conversions

Conversions Part 1

Format	Color
Hex	2D5CFF
RGB	45, 92, 255
RGB Percent	18%, 36%, 100%
CMY	0.8227, 0.6393, 0.0000
CMYK	0.82, 0.64, 0.00, 0.00
HSL	227°, 100%, 59%
HSV	227°, 82%, 100%
XYZ	22.9663, 15.4322, 96.3805
YIQ	96.5290, -80.3350, 40.7290

Conversions

Conversions Part 2

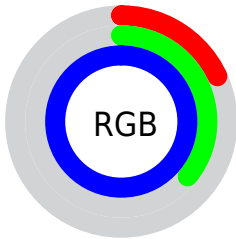
Format	Color
R _Y B	45, 83, 255
Decimal	2972927
CIE Lab	46.22, 43.23, -84.75
CIE LCh	46, 95.145, 297.026
Yxy	15.4322, 0.1704, 0.1145
Android (android.graphics.Color)	4281163007 (0xFF2D5CFF)
YUV	96.5290, 78.1262, -45.1909
Hunter-Lab	39.2838, 35.6090, -117.9657

Details

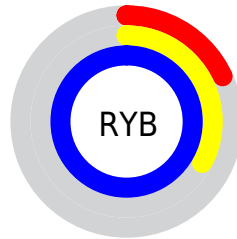
The Yxy color **15.4322, 0.1704, 0.1145** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **66.6814, 0.4499, 0.4663**, and the grayscale version is **11.6658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0780, 0.2194, 0.1869**, and **6.0642, 0.1572, 0.0859** is the 20% darker color. If you saturate the color by 10%, you get **12.0205, 0.1608, 0.0935**, and if you desaturate by 10%, it is **20.0904, 0.1839, 0.1399**.

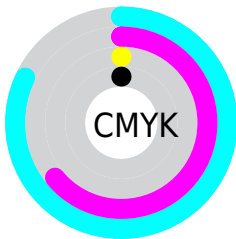
Distribution



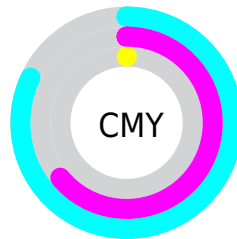
- Red (18%)
- Green (36%)
- Blue (100%)



- Red (18%)
- Yellow (33%)
- Blue (100%)



- Cyan (82%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (82%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4322, 0.1704, 0.1145 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 15.4322, 0.1704, 0.1145 by changing the saturation by 10% instead.

 15.4322, 0.1704,
0.1145


 15.4322, 0.1704,
0.1145


225.9675, 0.2464,
0.2140


 9.1233, 0.1522,
0.0945


 35.6096, 0.1979,
0.1474

 4.8217, 0.1302,
0.0723


 50.2469, 0.2083,
0.1608

 2.1430, 0.1036,
0.0483

 68.4291, 0.2172,
0.1726

 0.6887, 0.0727,
0.0245

 90.5406, 0.2248,
0.1829

 0.0000, 0.0392,
0.0000

 116.9658, 0.2313,
0.1921

 0.0000, 0.0000,
0.0000

148.0891, 0.2370,

0.2002

184.2949, 0.2420,
0.2075

■ 15.4322, 0.1704,
0.1145

■ 15.4322, 0.1704,
0.1145

■ 12.0205, 0.1608,
0.0935

■ 20.0904, 0.1839,
0.1399

■ 10.1299, 0.1558,
0.0809

■ 26.1139, 0.2003,
0.1682

■ 33.6058, 0.2188,
0.1978

■ 42.6586, 0.2381,
0.2271

■ 53.3570, 0.2574,
0.2549

■ 65.7793, 0.2759,
0.2807

■ 79.9987, 0.2933,
0.3040

■ 96.0840, 0.3093,
0.3247

■ 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.



15.4322, 0.0977, 0.1087



15.4322, 0.1704, 0.1145



15.4322, 0.3134, 0.1509

Triad

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



15.4322, 0.1704, 0.1145



15.4322, 0.6175, 0.3825



15.4322, 0.1162, 0.4543

Complementary

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



15.4322, 0.1704, 0.1145



66.6814, 0.4499, 0.4663

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.



15.4322, 0.2225, 0.6756



15.4322, 0.1704, 0.1145



15.4322, 0.5010, 0.4990

Square

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



15.4322, 0.1704, 0.1145



15.4322, 0.6375, 0.2943



15.4322, 0.3594, 0.6406



15.4322, 0.0705, 0.2320

Rectangle

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



15.4322, 0.1704, 0.1145



15.4322, 0.4460, 0.1925



15.4322, 0.3594, 0.6406



15.4322, 0.1458, 0.5478

Sweetspot

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



15.4321, 0.1704, 0.1145



62.2112, 0.2710, 0.2739



76.5414, 0.2459, 0.3921



12.3750, 0.2644, 0.2649



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.



15.4321, 0.1704, 0.1145



10.3455, 0.1564, 0.0824



11.8890, 0.1849, 0.0901



18.0342, 0.2979, 0.3100



5.4733, 0.1565, 0.0833



0.6870, 0.1620, 0.1032

Inverse Universe

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



23.9254, 0.5484, 0.2974



21.6292, 0.6029, 0.3101



83.8611, 0.3757, 0.5267



18.0534, 0.3259, 0.3237



11.2805, 0.6017, 0.3088



1.1139, 0.5710, 0.2919

Previews

White Background



This preview shows how the Yxy color 15.4322, 0.1704, 0.1145 looks on a white background.

Color Contrast Check

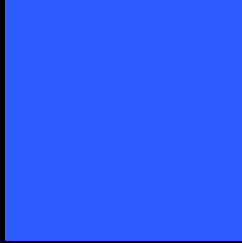
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4322, 0.1704, 0.1145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

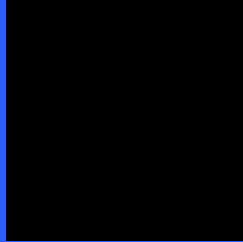
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4322, 0.1704, 0.1145

Background



This preview shows how black text looks on a background with the Yxy color 15.4322, 0.1704, 0.1145.



This preview shows how white text looks on a background with the Yxy color 15.4322, 0.1704, 0.1145.

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

15.4322, 0.1704, 0.1145

Protanopia

15.1211, 0.1739, 0.1461

Deuteranopia

15.0430, 0.1855, 0.1876



Tritanopia

14.9915, 0.2195, 0.3100

Trichromacy



Original Color

15.4322, 0.1704, 0.1145

Protanomaly

15.1077, 0.1715, 0.1330

Deuteranomaly

14.8149, 0.1772, 0.1529

Tritanomaly

14.3180, 0.1923, 0.2050

Monochromacy



Original Color

15.4322, 0.1704, 0.1145

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.1372, 0.2275, 0.2113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4322, 0.1704, 0.1145 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(45, 92, 255)` looks like.

```
.text, #text, p{  
  color:rgb(45, 92, 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(45, 92, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 92, 255) }
```

Border

The CSS property to change the border of an element to Yxy 15.4322, 0.1704, 0.1145 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(45, 92, 255) }
```

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

```
.border{ border-color:rgb(45, 92, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 92, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 92, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 92, 255);  
box-shadow:4px 4px 4px 4px rgb(45, 92,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4322, 0.1704, 0.1145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 92, 255) }
```

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

```
.background{ background-color: rgb(45, 92,  
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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