

Converting Colors

$Yxy(15.5892, 0.1715, 0.1182)$

Have a look what the booklet for
Yxy(15.5892, 0.1715, 0.1182)
contains.

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Color

Yxy(15.5916, 0.1714, 0.1180)

Conversions

Conversions Part 1

Format	Color
Hex	2D5EFC
RGB	45, 94, 252
RGB Percent	18%, 37%, 99%
CMY	0.8241, 0.6313, 0.0118
CMYK	0.82, 0.63, 0.00, 0.01
HSL	226°, 97%, 58%
HSV	226°, 82%, 99%
XYZ	22.6475, 15.5916, 93.8931
YIQ	97.3610, -79.9220, 38.7500

Conversions

Conversions Part 2

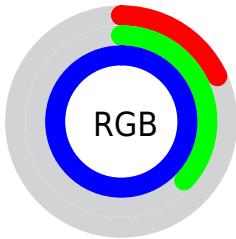
Format	Color
R _Y B	45, 85, 252
Decimal	2973436
CIE Lab	46.43, 40.87, -82.72
CIE LCh	46, 92.264, 296.290
Yxy	15.5916, 0.1714, 0.1180
Android (android.graphics.Color)	4281163516 (0xFF2D5EFC)
YUV	97.3610, 76.2370, -45.9206
Hunter-Lab	39.4862, 33.2785, -113.3437

Details

The Yxy color **15.5916, 0.1714, 0.1180** 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 **63.5007, 0.4524, 0.4639**, and the grayscale version is **11.8639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6021, 0.2193, 0.1892**, and **6.0917, 0.1580, 0.0888** is the 20% darker color. If you saturate the color by 10%, you get **12.1788, 0.1617, 0.0967**, and if you desaturate by 10%, it is **20.1957, 0.1848, 0.1434**.

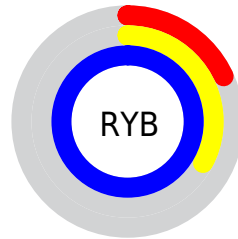
Distribution



Red (18%)

Green (37%)

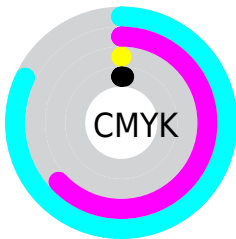
Blue (99%)



Red (18%)

Yellow (33%)

Blue (99%)

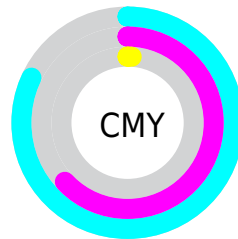


Cyan (82%)

Magenta (63%)

Yellow (0%)

Black (1%)



Cyan (82%)


Magenta (63%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5916, 0.1714, 0.1180 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 15.5916, 0.1714, 0.1180 by changing the saturation by 10% instead.


 15.5916, 0.1714,
0.1180

 15.5916, 0.1714,
0.1180


226.9196, 0.2469,
0.2168


 9.2356, 0.1532,
0.0979


 35.8877, 0.1988,
0.1509


 4.8952, 0.1311,
0.0753


 50.5967, 0.2092,
0.1642

 2.1859, 0.1044,
0.0509

 68.8588, 0.2180,
0.1758

 0.7123, 0.0732,
0.0263

 91.0583, 0.2255,
0.1861

 0.0000, 0.0389,
0.0000

117.5798, 0.2320,
0.1951

 0.0000, 0.0000,
0.0000

148.8076, 0.2376,

0.2032

185.1261, 0.2425,
0.2103

■ 15.5916, 0.1714,
0.1180

■ 15.5916, 0.1714,
0.1180

■ 12.1788, 0.1617,
0.0967

■ 20.1957, 0.1848,
0.1434

■ 10.2399, 0.1566,
0.0836

■ 26.1008, 0.2012,
0.1715

■ 33.4035, 0.2195,
0.2006

■ 42.1904, 0.2386,
0.2293

■ 52.5408, 0.2577,
0.2566

■ 64.5280, 0.2761,
0.2818

■ 78.2206, 0.2935,
0.3046

■ 93.6832, 0.3094,
0.3249

■ 99.8069, 0.3145,
0.3319

Harmonies

Analogous

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



15.5916, 0.1005, 0.1131



15.5916, 0.1714, 0.1180



15.5916, 0.3096, 0.1535

Triad

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



15.5916, 0.1714, 0.1180



15.5916, 0.6123, 0.3820



15.5916, 0.1237, 0.4570

Complementary

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



15.5916, 0.1714, 0.1180



63.5007, 0.4524, 0.4639

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.



15.5916, 0.2308, 0.6649



15.5916, 0.1714, 0.1180



15.5916, 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.



15.5916, 0.1714, 0.1180



15.5916, 0.6277, 0.2955



15.5916, 0.3670, 0.6330



15.5916, 0.0756, 0.2395

Rectangle

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



15.5916, 0.1714, 0.1180



15.5916, 0.4374, 0.1943



15.5916, 0.3670, 0.6330



15.5916, 0.1538, 0.5456

Sweetspot

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



15.5919, 0.1714, 0.1180



62.6568, 0.2710, 0.2750



74.3415, 0.2473, 0.3968



12.4790, 0.2646, 0.2661



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.



15.5919, 0.1714, 0.1180



10.7344, 0.1571, 0.0851



11.4142, 0.1830, 0.0893



17.3118, 0.2979, 0.3104



5.5225, 0.1573, 0.0861



0.6676, 0.1633, 0.1077

Inverse Universe

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



23.3660, 0.5435, 0.2947



21.6685, 0.5987, 0.3078



82.1025, 0.3781, 0.5248



17.2927, 0.3256, 0.3234



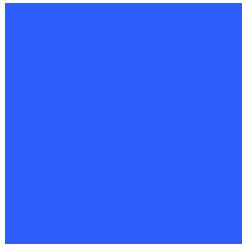
10.9684, 0.5972, 0.3064



1.0316, 0.5644, 0.2883

Previews

White Background



This preview shows how the Yxy color 15.5916, 0.1714, 0.1180 looks on a white background.

Color Contrast Check

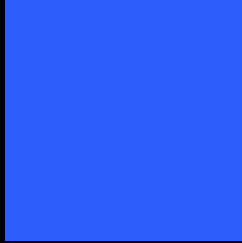
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5916, 0.1714, 0.1180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

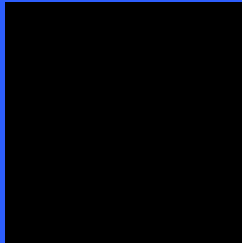
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5916, 0.1714, 0.1180

Background



This preview shows how black text looks on a background with the Yxy color 15.5916, 0.1714, 0.1180.



This preview shows how white text looks on a background with the Yxy color 15.5916, 0.1714, 0.1180.

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

15.5916, 0.1714, 0.1180

Protanopia

15.3771, 0.1741, 0.1468

Deuteranopia

15.3060, 0.1857, 0.1883



Tritanopia

15.2333, 0.2201, 0.3124

Trichromacy



Original Color

15.5916, 0.1714, 0.1180

Protanomaly

15.3007, 0.1719, 0.1343

Deuteranomaly

15.0174, 0.1777, 0.1544

Tritanomaly

14.4962, 0.1932, 0.2084

Monochromacy



Original Color

15.5916, 0.1714, 0.1180

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.2854, 0.2287, 0.2149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5916, 0.1714, 0.1180 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, 94, 252)` looks like.

```
.text, #text, p{  
  color:rgb(45, 94, 252)  
}
```

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, 94, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 94, 252) }
```

Border

The CSS property to change the border of an element to Yxy 15.5916, 0.1714, 0.1180 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, 94, 252) }
```

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

```
.border{ border-color:rgb(45, 94, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 94, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 94, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 94, 252);  
box-shadow:4px 4px 4px 4px rgb(45, 94,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5916, 0.1714, 0.1180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 94, 252) }
```

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

```
.background{ background-color: rgb(45, 94,  
252) }
```

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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