

Converting Colors

$Yxy(11.6762, 0.1839, 0.0888)$

Have a look what the booklet for
Yxy(11.6762, 0.1839, 0.0888)
contains.

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Color

Yxy(11.6571, 0.1839, 0.0887)

Conversions

Conversions Part 1

Format	Color
Hex	642BFF
RGB	100, 43, 255
RGB Percent	39%, 17%, 100%
CMY	0.6079, 0.8313, 0.0000
CMYK	0.61, 0.83, 0.00, 0.00
HSL	256°, 100%, 58%
HSV	256°, 83%, 100%
XYZ	24.1684, 11.6571, 95.5961
YIQ	84.2110, -34.0800, 78.0160

Conversions

Conversions Part 2

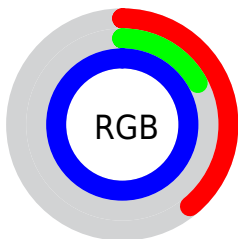
Format	Color
R_{YB}	100, 43, 255
Decimal	6564863
CIE _{Lab}	40.67, 72.52, -93.81
CIE _{LCh}	41, 118.571, 307.705
Yxy	11.6571, 0.1839, 0.0887
Android (android.graphics.Color)	4284754943 (0xFF642BFF)
YUV	84.2110, 84.1990, 13.8470
Hunter-Lab	34.1425, 66.6054, -142.1072

Details

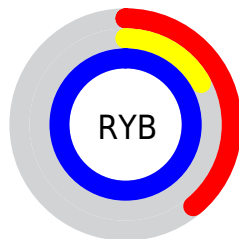
The Yxy color **11.6571, 0.1839, 0.0887** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **83.7052, 0.3753, 0.5281**, and the grayscale version is **8.7398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.3592, 0.2402, 0.1522**, and **4.0312, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **9.4007, 0.1716, 0.0744**, and if you desaturate by 10%, it is **15.3115, 0.1991, 0.1101**.

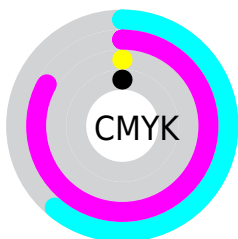
Distribution



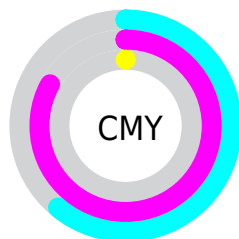
- Red (39%)
- Green (17%)
- Blue (100%)



- Red (39%)
- Yellow (17%)
- Blue (100%)



- Cyan (61%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)




- Cyan (61%)
- Magenta (83%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6571, 0.1839, 0.0887 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 11.6571, 0.1839, 0.0887 by changing the saturation by 10% instead.


 11.6571, 0.1839,
0.0887


 11.6571, 0.1839,
0.0887


202.1218, 0.2570,
0.1952


 6.5106, 0.1656,
0.0692


 28.8690, 0.2111,
0.1225


 3.1580, 0.1430,
0.0485


 41.7033, 0.2212,
0.1367


 1.2148, 0.1154,
0.0280

 57.8689, 0.2298,
0.1494

 0.0737, 0.0835,
0.0027

 77.7504, 0.2370,
0.1607

 0.0000, 0.0472,
0.0000

 101.7320, 0.2431,
0.1707

 0.0000, 0.0000,
0.0000

 130.1981, 0.2484,

0.1798

163.5333, 0.2530,
0.1879

■ 11.6571, 0.1839,
0.0887

■ 11.6571, 0.1839,
0.0887

■ 9.4007, 0.1716,
0.0744

■ 15.3115, 0.1991,
0.1101

■ 8.4677, 0.1649,
0.0682

■ 20.5684, 0.2163,
0.1373

■ 27.5952, 0.2343,
0.1684

■ 36.5378, 0.2521,
0.2013

■ 47.5267, 0.2688,
0.2341

60.6810, 0.2841,
0.2656

76.1103, 0.2976,
0.2948

93.9166, 0.3094,
0.3213

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.



11.6571, 0.0833, 0.0725



11.6571, 0.1839, 0.0887



11.6571, 0.3971, 0.1373

Triad

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



11.6571, 0.1839, 0.0887



11.6571, 0.6121, 0.3879



11.6571, 0.0467, 0.3516

Complementary

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



11.6571, 0.1839, 0.0887



83.7052, 0.3753, 0.5281

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.



11.6571, 0.1195, 0.7519



11.6571, 0.1839, 0.0887



11.6571, 0.4372, 0.5628

Square

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



11.6571, 0.1839, 0.0887



11.6571, 0.7159, 0.2841



11.6571, 0.2483, 0.7517



11.6571, 0.0318, 0.1433

Rectangle

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



11.6571, 0.1839, 0.0887



11.6571, 0.5799, 0.1863



11.6571, 0.2483, 0.7517



11.6571, 0.0628, 0.4837

Sweetspot

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



11.6563, 0.1839, 0.0887



58.0558, 0.2813, 0.2599



48.3369, 0.2076, 0.2550



11.4143, 0.2761, 0.2489



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.



11.6563, 0.1839, 0.0887



8.4677, 0.1649, 0.0682



22.0040, 0.2718, 0.1352



17.6138, 0.3021, 0.3047



4.4866, 0.1663, 0.0690



0.4877, 0.1776, 0.0752

Inverse Universe

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



27.0674, 0.3866, 0.2001



24.8256, 0.4050, 0.2004



73.9943, 0.3150, 0.5733



18.2121, 0.3179, 0.3118



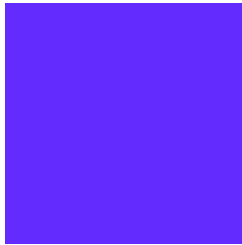
12.9981, 0.4032, 0.1995



1.2838, 0.3917, 0.1931

Previews

White Background



This preview shows how the Yxy color 11.6571, 0.1839, 0.0887 looks on a white background.

Color Contrast Check

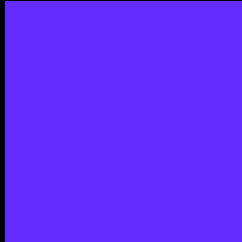
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6571, 0.1839, 0.0887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

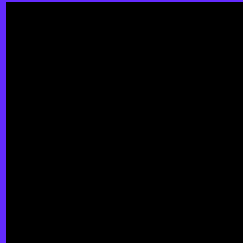
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 11.6571, 0.1839, 0.0887

Background



This preview shows how black text looks on a background with the Yxy color 11.6571, 0.1839, 0.0887.



This preview shows how white text looks on a background with the Yxy color 11.6571, 0.1839, 0.0887.

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

11.6571, 0.1839, 0.0887

Protanopia

11.5045, 0.1749, 0.1496

Tritanopia

11.5247, 0.2251, 0.3056

Trichromacy



Original Color

11.6571, 0.1839, 0.0887

Protanomaly

10.2305, 0.1694, 0.1113

Tritanomaly

9.4813, 0.1951, 0.1648

Monochromacy



Original Color

11.6571, 0.1839, 0.0887

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.5052, 0.2389, 0.1762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6571, 0.1839, 0.0887 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(100, 43, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 43, 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(100, 43, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 43, 255) }
```

Border

The CSS property to change the border of an element to Yxy 11.6571, 0.1839, 0.0887 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(100, 43, 255) }
```

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

```
.border{ border-color:rgb(100, 43, 255) }
```

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

Here you see how a box with a 4 pixel rgb(100, 43, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 43, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 43, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 43,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 11.6571, 0.1839, 0.0887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 43, 255) }
```

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

```
.background{ background-color: rgb(100, 43,  
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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