

Converting Colors

$Y_{xy}(11.7157, 0.1787, 0.0896)$

Have a look what the booklet for
Yxy(11.7157, 0.1787, 0.0896)
contains.

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Color

Yxy(11.7115, 0.1787, 0.0896)

Conversions

Conversions Part 1

Format	Color
Hex	5933FF
RGB	89, 51, 255
RGB Percent	35%, 20%, 100%
CMY	0.6507, 0.8001, 0.0000
CMYK	0.65, 0.80, 0.00, 0.00
HSL	251°, 100%, 60%
HSV	251°, 80%, 100%
XYZ	23.3576, 11.7115, 95.6396
YIQ	85.6180, -42.8360, 71.5000

Conversions

Conversions Part 2

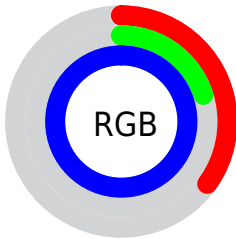
Format	Color
R_{YB}	89, 51, 255
Decimal	5846015
CIE _{Lab}	40.75, 68.56, -93.69
CIE _{LCh}	41, 116.091, 306.195
Yxy	11.7115, 0.1787, 0.0896
Android (android.graphics.Color)	4284036095 (0xFF5933FF)
YUV	85.6180, 83.5053, 2.9660
Hunter-Lab	34.2221, 61.9433, -141.7408

Details

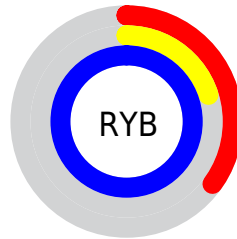
The Yxy color **11.7115, 0.1787, 0.0896** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **86.4958, 0.3869, 0.5153**, and the grayscale version is **9.0485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.3897, 0.2336, 0.1535**, and **4.0312, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **9.1759, 0.1662, 0.0732**, and if you desaturate by 10%, it is **15.7554, 0.1947, 0.1133**.

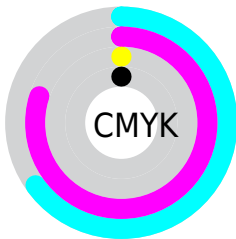
Distribution



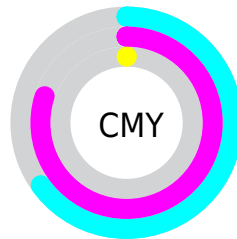
- Red (35%)
- Green (20%)
- Blue (100%)



- Red (35%)
- Yellow (20%)
- Blue (100%)



- Cyan (65%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (65%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7115, 0.1787, 0.0896 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 11.7115, 0.1787, 0.0896 by changing the saturation by 10% instead.


 11.7115, 0.1787,
0.0896


 11.7115, 0.1787,
0.0896


202.4859, 0.2540,
0.1962


 6.5475, 0.1601,
0.0700


 28.9686, 0.2065,
0.1235


 3.1808, 0.1372,
0.0491


 41.8305, 0.2170,
0.1378


 1.2268, 0.1095,
0.0284

 58.0271, 0.2257,
0.1504

 0.0835, 0.0778,
0.0031

 77.9430, 0.2332,
0.1617

 0.0000, 0.0422,
0.0000

 101.9624, 0.2395,
0.1718

 0.0000, 0.0000,
0.0000

 130.4697, 0.2450,

0.1808

163.8494, 0.2498,
0.1889

■ 11.7115, 0.1787,
0.0896

■ 11.7115, 0.1787,
0.0896

■ 9.1759, 0.1662,
0.0732

■ 15.7554, 0.1947,
0.1133

■ 7.8390, 0.1575,
0.0642

■ 21.5045, 0.2130,
0.1427

■ 29.1251, 0.2322,
0.1756

■ 38.7636, 0.2513,
0.2097

■ 50.5516, 0.2693,
0.2431

■ 64.6094, 0.2856,
0.2745

■ 81.0484, 0.3001,
0.3032

99.9726, 0.3127,
0.3290

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.



11.7115, 0.0825, 0.0748



11.7115, 0.1787, 0.0896



11.7115, 0.3828, 0.1365

Triad

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



11.7115, 0.1787, 0.0896



11.7115, 0.6166, 0.3834



11.7115, 0.0518, 0.3700

Complementary

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



11.7115, 0.1787, 0.0896



86.4958, 0.3869, 0.5153

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.



11.7115, 0.1298, 0.7540



11.7115, 0.1787, 0.0896



11.7115, 0.4481, 0.5519

Square

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



11.7115, 0.1787, 0.0896



11.7115, 0.7134, 0.2837



11.7115, 0.2617, 0.7383



11.7115, 0.0339, 0.1520

Rectangle

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



11.7115, 0.1787, 0.0896



11.7115, 0.5623, 0.1849



11.7115, 0.2617, 0.7383



11.7115, 0.0697, 0.5025

Sweetspot

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



11.7115, 0.1787, 0.0896



58.7260, 0.2793, 0.2623



57.8552, 0.2158, 0.2813



11.5116, 0.2734, 0.2510



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.



11.7115, 0.1787, 0.0896



8.2795, 0.1606, 0.0672



20.5819, 0.2574, 0.1306



17.5409, 0.3008, 0.3046



4.1424, 0.1586, 0.0647



0.4448, 0.1681, 0.0700

Inverse Universe

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



28.6294, 0.3619, 0.1886



26.0994, 0.3731, 0.1841



75.4427, 0.3238, 0.5616



18.2388, 0.3167, 0.3099



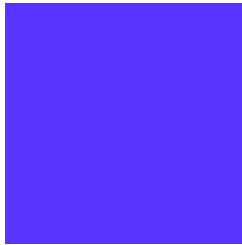
13.4936, 0.3748, 0.1838



1.3282, 0.3675, 0.1798

Previews

White Background



This preview shows how the Yxy color 11.7115, 0.1787, 0.0896 looks on a white background.

Color Contrast Check

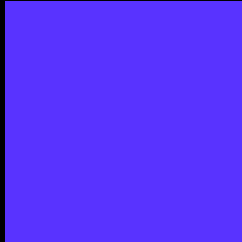
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7115, 0.1787, 0.0896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

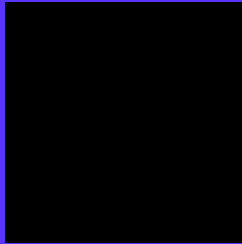
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7115, 0.1787, 0.0896

Background



This preview shows how black text looks on a background with the Yxy color 11.7115, 0.1787, 0.0896.



This preview shows how white text looks on a background with the Yxy color 11.7115, 0.1787, 0.0896.

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

11.7115, 0.1787, 0.0896

Protanopia

11.5045, 0.1749, 0.1496

Tritanopia

11.5003, 0.2196, 0.3104

Trichromacy



Original Color

11.7115, 0.1787, 0.0896

Protanomaly

10.5727, 0.1693, 0.1144

Tritanomaly

9.6793, 0.1870, 0.1689

Monochromacy



Original Color

11.7115, 0.1787, 0.0896

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

8.8979, 0.2354, 0.1809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7115, 0.1787, 0.0896 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(89, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 51, 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(89, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 11.7115, 0.1787, 0.0896 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(89, 51, 255) }
```

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

```
.border{ border-color:rgb(89, 51, 255) }
```

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

Here you see how a box with a 4 pixel rgb(89, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 51,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 11.7115, 0.1787, 0.0896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 51, 255) }
```

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

```
.background{ background-color: rgb(89, 51,  
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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