

Converting Colors

$Y_{xy}(12.2158, 0.1767, 0.0932)$

Have a look what the booklet for
Yxy(12.2158, 0.1767, 0.0932)
contains.

Yxy(12.2907, 0.1770, 0.0936)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.2907, 0.1770, 0.0936)

Conversions

Conversions Part 1

Format	Color
Hex	533CFF
RGB	83, 60, 255
RGB Percent	33%, 24%, 100%
CMY	0.6741, 0.7649, 0.0000
CMYK	0.67, 0.76, 0.00, 0.00
HSL	247°, 100%, 62%
HSV	247°, 76%, 100%
XYZ	23.2420, 12.2907, 95.7782
YIQ	89.1070, -48.8870, 65.5210

Conversions

Conversions Part 2

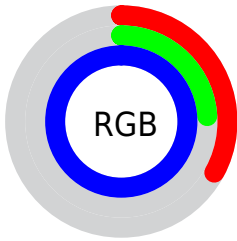
Format	Color
R _Y B	83, 60, 255
Decimal	5455103
CIE Lab	41.67, 64.07, -92.19
CIE LCh	42, 112.269, 304.798
Yxy	12.2907, 0.1770, 0.0936
Android (android.graphics.Color)	4283645183 (0xFF533CFF)
YUV	89.1070, 81.7852, -5.3558
Hunter-Lab	35.0581, 56.9863, -137.4387

Details

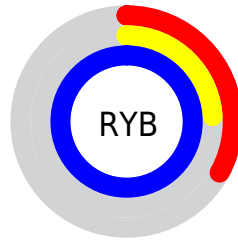
The Yxy color **12.2907, 0.1770, 0.0936** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **88.9767, 0.3954, 0.5040**, and the grayscale version is **9.8381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.5806, 0.2309, 0.1597**, and **4.0746, 0.1502, 0.0606** is the 20% darker color. If you saturate the color by 10%, you get **9.3697, 0.1640, 0.0748**, and if you desaturate by 10%, it is **16.8249, 0.1938, 0.1198**.

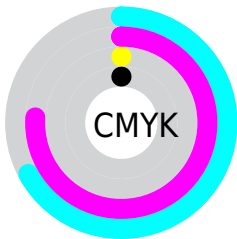
Distribution



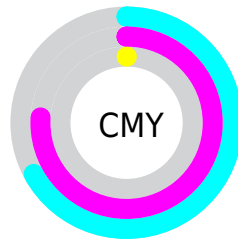
- Red (33%)
- Green (24%)
- Blue (100%)



- Red (33%)
- Yellow (24%)
- Blue (100%)



- Cyan (67%)
- Magenta (76%)
- Yellow (0%)
- Black (0%)




- Cyan (67%)
- Magenta (76%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2907, 0.1770, 0.0936 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 12.2907, 0.1770, 0.0936 by changing the saturation by 10% instead.


 12.2907, 0.1770,
0.0936


 12.2907, 0.1770,
0.0936


206.3204, 0.2525,
0.1992


 6.9420, 0.1584,
0.0738


 30.0235, 0.2048,
0.1274


 3.4258, 0.1357,
0.0526


 43.1763, 0.2153,
0.1416


 1.3579, 0.1082,
0.0313

 59.6993, 0.2241,
0.1541

 0.1854, 0.0766,
0.0068

 79.9768, 0.2315,
0.1653

 0.0000, 0.0414,
0.0000

 104.3933, 0.2379,
0.1752

 0.0000, 0.0000,
0.0000

 133.3331, 0.2435,

0.1841

167.1807, 0.2483,
0.1921

■ 12.2907, 0.1770,
0.0936

■ 12.2907, 0.1770,
0.0936

■ 9.3697, 0.1640,
0.0748

■ 16.8249, 0.1938,
0.1198

■ 7.8290, 0.1555,
0.0642

■ 23.1691, 0.2131,
0.1513

■ 7.5000, 0.1534,
0.0619

■ 31.4867, 0.2333,
0.1856

■ 41.9239, 0.2533,
0.2203

■ 54.6132, 0.2720,
0.2538

■ 69.6760, 0.2890,
0.2847

■ 87.2252, 0.3040,
0.3126

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.



12.2907, 0.0849, 0.0799



12.2907, 0.1770, 0.0936



12.2907, 0.3694, 0.1390

Triad

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



12.2907, 0.1770, 0.0936



12.2907, 0.6170, 0.3830



12.2907, 0.0612, 0.3868

Complementary

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



12.2907, 0.1770, 0.0936



88.9767, 0.3954, 0.5040

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.



12.2907, 0.1457, 0.7413



12.2907, 0.1770, 0.0936



12.2907, 0.4585, 0.5415

Square

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



12.2907, 0.1770, 0.0936



12.2907, 0.7010, 0.2863



12.2907, 0.2799, 0.7201



12.2907, 0.0389, 0.1645

Rectangle

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



12.2907, 0.1770, 0.0936



12.2907, 0.5409, 0.1867



12.2907, 0.2799, 0.7201



12.2907, 0.0814, 0.5139

Sweetspot

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



12.2891, 0.1770, 0.0936



59.5981, 0.2782, 0.2649



66.0294, 0.2223, 0.3006



11.6538, 0.2718, 0.2534



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.



12.2891, 0.1770, 0.0936



8.3688, 0.1587, 0.0680



20.1767, 0.2483, 0.1300



17.4810, 0.2997, 0.3045



3.9512, 0.1542, 0.0623



0.4161, 0.1616, 0.0664

Inverse Universe

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



30.3037, 0.3442, 0.1817



27.3294, 0.3508, 0.1731



76.9730, 0.3319, 0.5492



18.2611, 0.3156, 0.3083



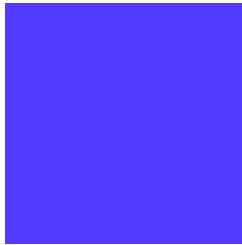
13.9566, 0.3534, 0.1720



1.3690, 0.3492, 0.1697

Previews

White Background



This preview shows how the Yxy color 12.2907, 0.1770, 0.0936 looks on a white background.

Color Contrast Check

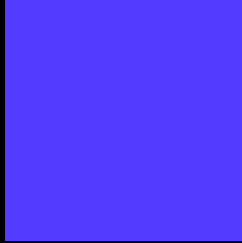
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2907, 0.1770, 0.0936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

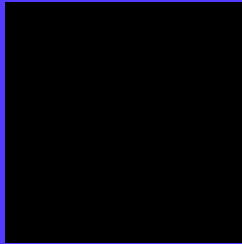
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2907, 0.1770, 0.0936

Background



This preview shows how black text looks on a background with the Yxy color 12.2907, 0.1770, 0.0936.



This preview shows how white text looks on a background with the Yxy color 12.2907, 0.1770, 0.0936.

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

12.2907, 0.1770, 0.0936

Protanopia

12.0826, 0.1746, 0.1486

Deuteranopia

11.9789, 0.1862, 0.1904



Tritanopia

11.9629, 0.2196, 0.3107

Trichromacy



Original Color

12.2907, 0.1770, 0.0936

Protanomaly

11.4251, 0.1700, 0.1189

Deuteranomaly

10.9431, 0.1751, 0.1348

Tritanomaly

10.5114, 0.1885, 0.1776

Monochromacy



Original Color

12.2907, 0.1770, 0.0936

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.6449, 0.2351, 0.1877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2907, 0.1770, 0.0936 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(83, 60, 255)` looks like.

```
.text, #text, p{  
    color:rgb(83, 60, 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(83, 60, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 60, 255) }
```

Border

The CSS property to change the border of an element to Yxy 12.2907, 0.1770, 0.0936 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(83, 60, 255) }
```

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

```
.border{ border-color:rgb(83, 60, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 60, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 60, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 60, 255);  
box-shadow:4px 4px 4px 4px rgb(83, 60,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2907, 0.1770, 0.0936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 60, 255) }
```

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

```
.background{ background-color: rgb(83, 60,  
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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