

Converting Colors

$Y_{xy}(12.2090, 0.1839, 0.0923)$

Have a look what the booklet for
Yxy(12.2090, 0.1839, 0.0923)
contains.

Yxy(12.1843, 0.1837, 0.0922)	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(12.1843, 0.1837, 0.0922)

Conversions

Conversions Part 1

Format	Color
Hex	6233FF
RGB	98, 51, 255
RGB Percent	38%, 20%, 100%
CMY	0.6155, 0.8002, 0.0000
CMYK	0.62, 0.80, 0.00, 0.00
HSL	254°, 100%, 60%
HSV	254°, 80%, 100%
XYZ	24.2761, 12.1843, 95.6904
YIQ	88.3090, -37.4720, 73.4080

Conversions

Conversions Part 2

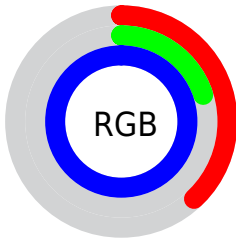
Format	Color
R_{YB}	98, 51, 255
Decimal	6435839
CIE _{Lab}	41.51, 69.36, -92.42
CIE _{LCh}	42, 115.553, 306.887
Yxy	12.1843, 0.1837, 0.0922
Android (android.graphics.Color)	4284625919 (0xFF6233FF)
YUV	88.3090, 82.1787, 8.4990
Hunter-Lab	34.9060, 63.0559, -138.1017

Details

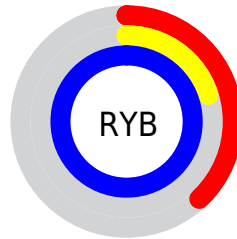
The Yxy color **12.1843, 0.1837, 0.0922** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **85.1545, 0.3807, 0.5200**, and the grayscale version is **9.6516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.3225, 0.2393, 0.1569**, and **4.0312, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **9.5734, 0.1707, 0.0757**, and if you desaturate by 10%, it is **16.2806, 0.1997, 0.1158**.

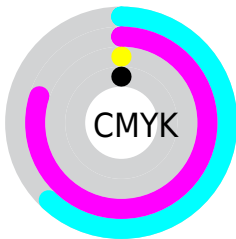
Distribution



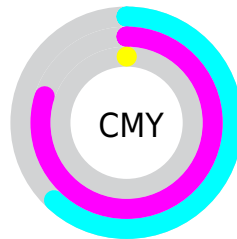
- Red (38%)
- Green (20%)
- Blue (100%)



- Red (38%)
- Yellow (20%)
- Blue (100%)



- Cyan (62%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (62%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1843, 0.1837, 0.0922 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 12.1843, 0.1837, 0.0922 by changing the saturation by 10% instead.


 12.1843, 0.1837,
0.0922


 12.1843, 0.1837,
0.0922


205.6216, 0.2565,
0.1978


 6.8693, 0.1655,
0.0726


 29.8303, 0.2107,
0.1259


 3.3805, 0.1431,
0.0516


 42.9302, 0.2208,
0.1400

 1.3335, 0.1157,
0.0306

 59.3937, 0.2293,
0.1525

 0.1669, 0.0838,
0.0061

 79.6055, 0.2364,
0.1637

 0.0000, 0.0478,
0.0000

 103.9497, 0.2426,
0.1736

 0.0000, 0.0000,
0.0000

 132.8109, 0.2478,

0.1826

166.5734, 0.2524,
0.1906

■ 12.1843, 0.1837,
0.0922

■ 12.1843, 0.1837,
0.0922

■ 9.5734, 0.1707,
0.0757

■ 16.2806, 0.1997,
0.1158

■ 8.1455, 0.1612,
0.0662

■ 22.0568, 0.2177,
0.1448

■ 29.6751, 0.2363,
0.1772

■ 39.2785, 0.2546,
0.2107

■ 50.9960, 0.2717,
0.2436

■ 64.9451, 0.2871,
0.2747

■ 81.2349, 0.3008,
0.3033

99.9671, 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.



12.1843, 0.0858, 0.0766



12.1843, 0.1837, 0.0922



12.1843, 0.3881, 0.1400

Triad

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



12.1843, 0.1837, 0.0922



12.1843, 0.6114, 0.3886



12.1843, 0.0534, 0.3624

Complementary

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



12.1843, 0.1837, 0.0922



85.1545, 0.3807, 0.5200

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.



12.1843, 0.1311, 0.7402



12.1843, 0.1837, 0.0922



12.1843, 0.4444, 0.5556

Square

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



12.1843, 0.1837, 0.0922



12.1843, 0.7083, 0.2880



12.1843, 0.2620, 0.7380



12.1843, 0.0356, 0.1520

Rectangle

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



12.1843, 0.1837, 0.0922



12.1843, 0.5644, 0.1887



12.1843, 0.2620, 0.7380



12.1843, 0.0712, 0.4902

Sweetspot

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



12.1837, 0.1837, 0.0922



59.1138, 0.2812, 0.2626



54.4074, 0.2134, 0.2721



11.6026, 0.2756, 0.2515



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.



12.1837, 0.1837, 0.0922



8.6243, 0.1646, 0.0694



21.4797, 0.2639, 0.1340



17.5800, 0.3015, 0.3047



4.3113, 0.1624, 0.0668



0.4665, 0.1730, 0.0726

Inverse Universe

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



28.1733, 0.3731, 0.1954



25.5816, 0.3876, 0.1922



74.9953, 0.3206, 0.5639



18.2244, 0.3174, 0.3109



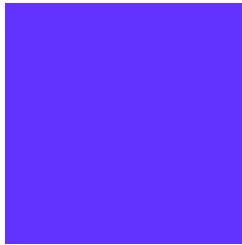
13.2187, 0.3897, 0.1921



1.3037, 0.3802, 0.1868

Previews

White Background



This preview shows how the Yxy color 12.1843, 0.1837, 0.0922 looks on a white background.

Color Contrast Check

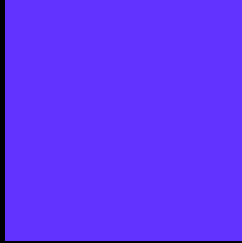
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1843, 0.1837, 0.0922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

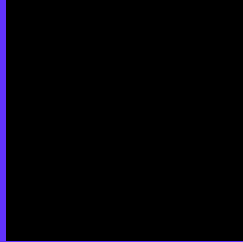
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1843, 0.1837, 0.0922

Background



This preview shows how black text looks on a background with the Yxy color 12.1843, 0.1837, 0.0922.



This preview shows how white text looks on a background with the Yxy color 12.1843, 0.1837, 0.0922.

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

12.1843, 0.1837, 0.0922

Protanopia

12.0366, 0.1749, 0.1495

Deuteranopia

11.9415, 0.1866, 0.1917



Tritanopia

12.0962, 0.2225, 0.3084

Trichromacy



Original Color

12.1843, 0.1837, 0.0922



Protanomaly

10.8858, 0.1703, 0.1151



Deuteranomaly

10.5798, 0.1756, 0.1311



Tritanomaly

10.1873, 0.1931, 0.1709

Monochromacy



Original Color

12.1843, 0.1837, 0.0922



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.4774, 0.2402, 0.1842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1843, 0.1837, 0.0922 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(98, 51, 255) looks like.

```
.text, #text, p{  
  color:rgb(98, 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(98, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 12.1843, 0.1837, 0.0922 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(98, 51, 255) }
```

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

```
.border{ border-color:rgb(98, 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(98, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(98, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1843, 0.1837, 0.0922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 51, 255) }
```

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

```
.background{ background-color: rgb(98, 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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