

Converting Colors

$Y_{xy}(12.8293, 0.1831, 0.1129)$

Have a look what the booklet for
Yxy(12.8293, 0.1831, 0.1129)
contains.

Yxy(12.8293, 0.1831, 0.1129)	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(12.8293, 0.1831, 0.1129)

Conversions

Conversions Part 1

Format	Color
Hex	4F4CEB
RGB	79, 76, 235
RGB Percent	31%, 30%, 92%
CMY	0.6902, 0.7020, 0.0783
CMYK	0.66, 0.68, 0.00, 0.08
HSL	241°, 80%, 61%
HSV	241°, 68%, 92%
XYZ	20.8064, 12.8293, 79.9985
YIQ	95.0230, -49.2510, 50.0850

Conversions

Conversions Part 2

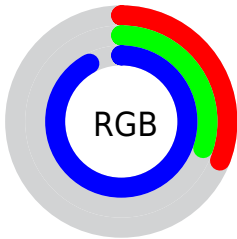
Format	Color
R _Y B	79, 76, 235
Decimal	5197035
CIE Lab	42.50, 49.16, -79.60
CIE LCh	43, 93.558, 301.701
Yxy	12.8293, 0.1831, 0.1129
Android (android.graphics.Color)	4283387115 (0xFF4F4CEB)
YUV	95.0230, 69.0087, -14.0522
Hunter-Lab	35.8180, 41.0078, -107.3499

Details

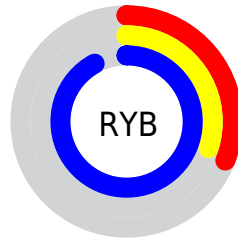
The Yxy color **12.8293, 0.1831, 0.1129** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **77.1159, 0.4025, 0.4827**, and the grayscale version is **11.2895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1615, 0.2275, 0.1723**, and **4.1429, 0.1542, 0.0752** is the 20% darker color. If you saturate the color by 10%, you get **9.3385, 0.1675, 0.0875**, and if you desaturate by 10%, it is **17.8455, 0.2022, 0.1444**.

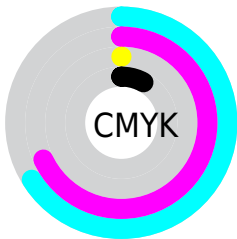
Distribution



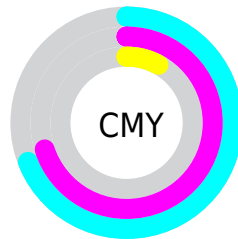
- Red (31%)
- Green (30%)
- Blue (92%)



- Red (31%)
- Yellow (30%)
- Blue (92%)



- Cyan (66%)
- Magenta (68%)
- Yellow (0%)
- Black (8%)





- Cyan (69%)
- Magenta (70%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8293, 0.1831, 0.1129 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 12.8293, 0.1831, 0.1129 by changing the saturation by 10% instead.


 12.8293, 0.1831,
0.1129


 12.8293, 0.1831,
0.1129


209.8208, 0.2558,
0.2155


 7.3111, 0.1645,
0.0919

 30.9968, 0.2103,
0.1473


 3.6574, 0.1413,
0.0683


 44.4148, 0.2204,
0.1612


 1.4838, 0.1125,
0.0431

 61.2350, 0.2288,
0.1733

 0.2773, 0.0784,
0.0133

 81.8416, 0.2360,
0.1839

 0.0000, 0.0348,
0.0000

 106.6191, 0.2420,
0.1933

 0.0000, 0.0000,
0.0000

135.9519, 0.2473,

0.2016

170.2243, 0.2518,
0.2089

■ 12.8293, 0.1831,
0.1129

■ 12.8293, 0.1831,
0.1129

■ 9.3385, 0.1675,
0.0875

■ 17.8455, 0.2022,
0.1444

■ 7.1991, 0.1568,
0.0703

■ 24.5337, 0.2233,
0.1793

■ 6.1822, 0.1512,
0.0616

■ 33.0243, 0.2447,
0.2150

■ 6.0284, 0.1504,
0.0602

■ 43.4347, 0.2653,
0.2493

■ 55.8722, 0.2842,
0.2810

70.4361, 0.3012,
0.3095

87.2195, 0.3160,
0.3345

98.7798, 0.3244,
0.3483

Harmonies

Analogous

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



12.8293, 0.1005, 0.1023



12.8293, 0.1831, 0.1129



12.8293, 0.3431, 0.1546

Triad

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



12.8293, 0.1831, 0.1129



12.8293, 0.6071, 0.3929



12.8293, 0.0979, 0.4136

Complementary

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



12.8293, 0.1831, 0.1129



77.1159, 0.4025, 0.4827

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.



12.8293, 0.1958, 0.6749



12.8293, 0.1831, 0.1129



12.8293, 0.4790, 0.5210

Square

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



12.8293, 0.1831, 0.1129



12.8293, 0.6537, 0.3020



12.8293, 0.3315, 0.6685



12.8293, 0.0623, 0.2046

Rectangle

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



12.8293, 0.1831, 0.1129



12.8293, 0.4842, 0.1994



12.8293, 0.3315, 0.6685



12.8293, 0.1237, 0.5132

Sweetspot

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



12.8296, 0.1831, 0.1129



63.3794, 0.2798, 0.2736



65.4625, 0.2333, 0.3254



12.6440, 0.2745, 0.2648



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.



12.8296, 0.1831, 0.1129



10.1101, 0.1630, 0.0801



18.4532, 0.2427, 0.1412



14.5625, 0.2983, 0.3046



3.3603, 0.1506, 0.0603



0.2686, 0.1522, 0.0612

Inverse Universe

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



28.6629, 0.3229, 0.1800



30.3827, 0.3244, 0.1649



66.7136, 0.3442, 0.5203



15.3086, 0.3141, 0.3062



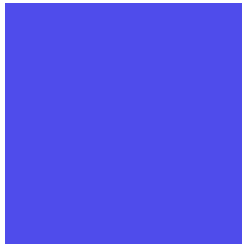
13.0296, 0.3257, 0.1568



1.0247, 0.3250, 0.1564

Previews

White Background



This preview shows how the Yxy color 12.8293, 0.1831, 0.1129 looks on a white background.

Color Contrast Check

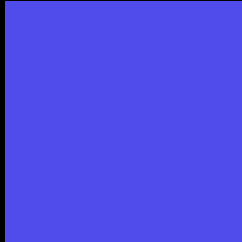
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8293, 0.1831, 0.1129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

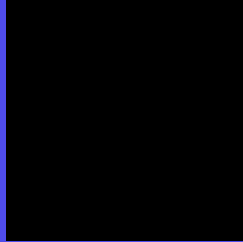
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8293, 0.1831, 0.1129

Background



This preview shows how black text looks on a background with the Yxy color 12.8293, 0.1831, 0.1129.



This preview shows how white text looks on a background with the Yxy color 12.8293, 0.1831, 0.1129.

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

12.8293, 0.1831, 0.1129

Protanopia

12.6775, 0.1744, 0.1478

Deuteranopia

12.5587, 0.1856, 0.1881



Tritanopia

12.7008, 0.2191, 0.3087

Trichromacy



Original Color

12.8293, 0.1831, 0.1129

Protanomaly

12.3123, 0.1730, 0.1303

Deuteranomaly

12.0754, 0.1792, 0.1505

Tritanomaly

11.5698, 0.1942, 0.1987

Monochromacy



Original Color

12.8293, 0.1831, 0.1129

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.1786, 0.2431, 0.2123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8293, 0.1831, 0.1129 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(79, 76, 235)` looks like.

```
.text, #text, p{  
    color:rgb(79, 76, 235)  
}
```

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(79, 76, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 76, 235) }
```

Border

The CSS property to change the border of an element to Yxy 12.8293, 0.1831, 0.1129 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(79, 76, 235) }
```

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

```
.border{ border-color:rgb(79, 76, 235) }
```

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

Here you see how a box with a 4 pixel rgb(79, 76, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 76, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 76, 235);  
box-shadow:4px 4px 4px 4px rgb(79, 76,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8293, 0.1831, 0.1129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 76, 235) }
```

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

```
.background{ background-color: rgb(79, 76,  
235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor