

Converting Colors

$Y_{xy}(12.3404, 0.1852, 0.1094)$

Have a look what the booklet for
Yxy(12.3404, 0.1852, 0.1094)
contains.

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Color

Yxy(12.3098, 0.1851, 0.1088)

Conversions

Conversions Part 1

Format	Color
Hex	5546EB
RGB	85, 70, 235
RGB Percent	33%, 27%, 92%
CMY	0.6662, 0.7257, 0.0783
CMYK	0.64, 0.70, 0.00, 0.08
HSL	246°, 81%, 60%
HSV	246°, 70%, 92%
XYZ	20.9425, 12.3098, 79.8892
YIQ	93.2950, -44.0250, 54.4950

Conversions

Conversions Part 2

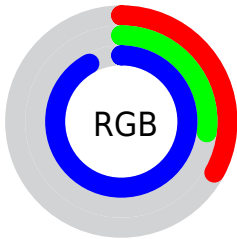
Format	Color
R _Y B	85, 70, 235
Decimal	5588715
CIE Lab	41.70, 53.27, -80.90
CIE LCh	42, 96.861, 303.364
Yxy	12.3098, 0.1851, 0.1088
Android (android.graphics.Color)	4283778795 (0xFF5546EB)
YUV	93.2950, 69.8606, -7.2747
Hunter-Lab	35.0853, 45.1477, -110.4435

Details

The Yxy color **12.3098, 0.1851, 0.1088** 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 **75.0656, 0.3955, 0.4924**, and the grayscale version is **10.8621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1370, 0.2300, 0.1671**, and **3.7882, 0.1526, 0.0695** is the 20% darker color. If you saturate the color by 10%, you get **9.0710, 0.1698, 0.0851**, and if you desaturate by 10%, it is **16.9998, 0.2036, 0.1387**.

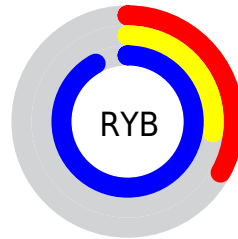
Distribution



Red (33%)

Green (27%)

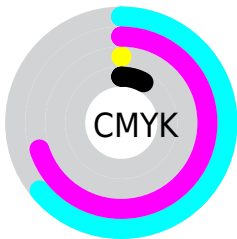
Blue (92%)



Red (33%)

Yellow (27%)

Blue (92%)

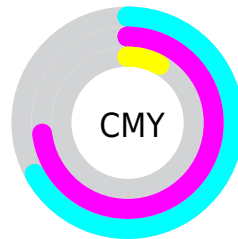


Cyan (64%)

Magenta (70%)

Yellow (0%)

Black (8%)



Cyan (67%)


Magenta (73%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3098, 0.1851, 0.1088 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 12.3098, 0.1851, 0.1088 by changing the saturation by 10% instead.


 12.3098, 0.1851,
0.1088


 12.3098, 0.1851,
0.1088


206.4456, 0.2573,
0.2127

 6.9550, 0.1665,
0.0878


 30.0581, 0.2123,
0.1434


 3.4340, 0.1432,
0.0644


 43.2204, 0.2223,
0.1575

 1.3623, 0.1143,
0.0398

 59.7540, 0.2307,
0.1698

 0.1887, 0.0800,
0.0091

 80.0434, 0.2377,
0.1806

 0.0000, 0.0362,
0.0000

 104.4728, 0.2437,
0.1901

 0.0000, 0.0000,
0.0000

133.4267, 0.2489,

0.1985

167.2895, 0.2534,
0.2060

■ 12.3098, 0.1851,
0.1088

■ 12.3098, 0.1851,
0.1088

■ 9.0710, 0.1698,
0.0851

■ 16.9998, 0.2036,
0.1387

■ 7.1116, 0.1588,
0.0694

■ 23.2847, 0.2239,
0.1724

■ 6.1658, 0.1525,
0.0614

■ 31.2918, 0.2443,
0.2074

■ 41.1353, 0.2640,
0.2416

■ 52.9194, 0.2821,
0.2736

■ 66.7407, 0.2982,
0.3026

■ 82.6892, 0.3124,
0.3284

■ 98.7797, 0.3244,
0.3483

Harmonies

Analogous

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



12.3098, 0.0981, 0.0965



12.3098, 0.1851, 0.1088



12.3098, 0.3552, 0.1525

Triad

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



12.3098, 0.1851, 0.1088



12.3098, 0.6063, 0.3937



12.3098, 0.0867, 0.3995

Complementary

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



12.3098, 0.1851, 0.1088



75.0656, 0.3955, 0.4924

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.



12.3098, 0.1806, 0.6858



12.3098, 0.1851, 0.1088



12.3098, 0.4700, 0.5300

Square

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



12.3098, 0.1851, 0.1088



12.3098, 0.6661, 0.3011



12.3098, 0.3156, 0.6844



12.3098, 0.0558, 0.1911

Rectangle

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



12.3098, 0.1851, 0.1088



12.3098, 0.5036, 0.1986



12.3098, 0.3156, 0.6844



12.3098, 0.1107, 0.5050

Sweetspot

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



12.3101, 0.1851, 0.1088



62.3787, 0.2806, 0.2710



59.1552, 0.2283, 0.3108



12.4705, 0.2757, 0.2623



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.



12.3101, 0.1851, 0.1088



9.7681, 0.1647, 0.0776



18.5063, 0.2499, 0.1403



14.6151, 0.2994, 0.3047



3.4542, 0.1531, 0.0617



0.2939, 0.1606, 0.0658

Inverse Universe

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



27.1995, 0.3362, 0.1853



28.8481, 0.3411, 0.1724



65.3390, 0.3368, 0.5313



15.2885, 0.3152, 0.3079



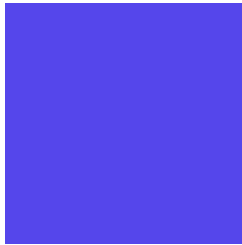
12.5248, 0.3454, 0.1677



0.9905, 0.3416, 0.1656

Previews

White Background



This preview shows how the Yxy color 12.3098, 0.1851, 0.1088 looks on a white background.

Color Contrast Check

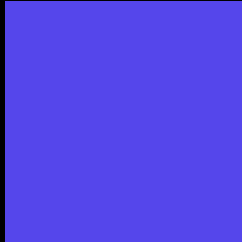
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3098, 0.1851, 0.1088 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 12.3098, 0.1851, 0.1088

Background



This preview shows how black text looks on a background with the Yxy color 12.3098, 0.1851, 0.1088.



This preview shows how white text looks on a background with the Yxy color 12.3098, 0.1851, 0.1088.

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

12.3098, 0.1851, 0.1088

Protanopia

12.1289, 0.1744, 0.1478

Deuteranopia

12.2096, 0.1864, 0.1911



Tritanopia

12.0095, 0.2183, 0.3058

Trichromacy



Original Color

12.3098, 0.1851, 0.1088

Protanomaly

11.5418, 0.1726, 0.1269

Deuteranomaly

11.4987, 0.1790, 0.1475

Tritanomaly

10.8348, 0.1931, 0.1917

Monochromacy



Original Color

12.3098, 0.1851, 0.1088

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.7150, 0.2443, 0.2081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3098, 0.1851, 0.1088 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(85, 70, 235)` looks like.

```
.text, #text, p{  
  color:rgb(85, 70, 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(85, 70, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 70, 235) }
```

Border

The CSS property to change the border of an element to Yxy 12.3098, 0.1851, 0.1088 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(85, 70, 235) }
```

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

```
.border{ border-color:rgb(85, 70, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 70, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 70, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 70, 235);  
box-shadow:4px 4px 4px 4px rgb(85, 70,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3098, 0.1851, 0.1088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 70, 235) }
```

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

```
.background{ background-color: rgb(85, 70,  
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](#).

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