

Converting Colors

$Y_{xy}(16.3380, 0.2282, 0.1303)$

Have a look what the booklet for
Yxy(16.3380, 0.2282, 0.1303)
contains.

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Color

Yxy(16.3443, 0.2283, 0.1306)

Conversions

Conversions Part 1

Format	Color
Hex	8F47EB
RGB	143, 71, 235
RGB Percent	56%, 28%, 92%
CMY	0.4393, 0.7215, 0.0785
CMYK	0.39, 0.70, 0.00, 0.08
HSL	266°, 80%, 60%
HSV	266°, 70%, 92%
XYZ	28.5712, 16.3443, 80.2322
YIQ	111.2240, -9.7320, 66.2680

Conversions

Conversions Part 2

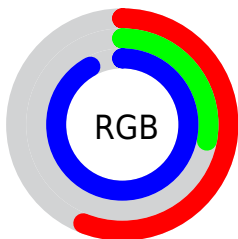
Format	Color
R_{YB}	143, 71, 235
Decimal	9390059
CIE _{Lab}	47.42, 61.56, -71.30
CIE _{LCh}	47, 94.198, 310.811
Yxy	16.3443, 0.2283, 0.1306
Android (android.graphics.Color)	4287580139 (0xFF8F47EB)
YUV	111.2240, 61.0216, 27.8676
Hunter-Lab	40.4281, 55.3999, -89.3653

Details

The Yxy color **16.3443, 0.2283, 0.1306** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **67.6511, 0.3529, 0.5196**, and the grayscale version is **15.7887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4438, 0.2721, 0.1884**, and **5.2487, 0.1968, 0.0883** is the 20% darker color. If you saturate the color by 10%, you get **12.8022, 0.2141, 0.1087**, and if you desaturate by 10%, it is **21.1806, 0.2430, 0.1570**.

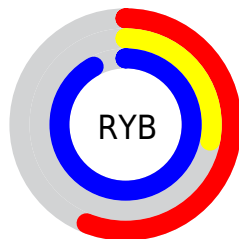
Distribution



Red (56%)

Green (28%)

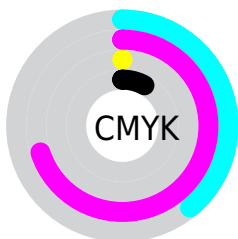
Blue (92%)



Red (56%)

Yellow (28%)

Blue (92%)

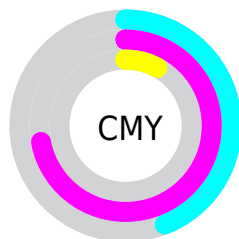


Cyan (39%)

Magenta (70%)

Yellow (0%)

Black (8%)



Cyan (44%)


Magenta (72%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3443, 0.2283, 0.1306 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 16.3443, 0.2283, 0.1306 by changing the saturation by 10% instead.

 16.3443, 0.2283,
0.1306


 16.3443, 0.2283,
0.1306


231.3649, 0.2778,
0.2238


 9.7681, 0.2146,
0.1109


 37.1949, 0.2475,
0.1621


 5.2455, 0.1968,
0.0882


 52.2381, 0.2544,
0.1747


 2.3920, 0.1732,
0.0627


 70.8724, 0.2601,
0.1856

 0.8218, 0.1417,
0.0357

 93.4823, 0.2648,
0.1952

 0.0000, 0.1015,
0.0000

 120.4521, 0.2688,
0.2036

 0.0000, 0.0279,
0.0000

152.1662, 0.2722,

 0.0000, 0.0000,

0.2111

0.0000

189.0090, 0.2752,
0.2178

■ 16.3443, 0.2283,
0.1306

■ 16.3443, 0.2283,
0.1306

■ 12.8022, 0.2141,
0.1087

■ 21.1806, 0.2430,
0.1570

■ 10.4065, 0.2011,
0.0926

■ 27.4333, 0.2575,
0.1863


■ 8.9174, 0.1898,
0.0820


■ 35.2114, 0.2712,
0.2170


■ 8.8881, 0.1895,
0.0818

■ 44.6128, 0.2837,
0.2475

■ 55.7269, 0.2949,
0.2768

 68.6362, 0.3046,
0.3043

 83.4181, 0.3129,
0.3295

 97.5588, 0.3202,
0.3486

 98.7771, 0.3244,
0.3483

Harmonies

Analogous

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



16.3443, 0.1275, 0.1111



16.3443, 0.2283, 0.1306



16.3443, 0.4014, 0.1814

Triad

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



16.3443, 0.2283, 0.1306



16.3443, 0.5674, 0.4326



16.3443, 0.0923, 0.3354

Complementary

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



16.3443, 0.2283, 0.1306



67.6511, 0.3529, 0.5196

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.



16.3443, 0.1723, 0.5907



16.3443, 0.2283, 0.1306



16.3443, 0.4375, 0.5625

Square

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



16.3443, 0.2283, 0.1306



16.3443, 0.6359, 0.3338



16.3443, 0.2973, 0.6726



16.3443, 0.0693, 0.1805

Rectangle

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



16.3443, 0.2283, 0.1306



16.3443, 0.5299, 0.2294



16.3443, 0.2973, 0.6726



16.3443, 0.1117, 0.4172

Sweetspot

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



16.3448, 0.2283, 0.1306



65.2031, 0.2935, 0.2731



33.8651, 0.2082, 0.2285



13.1331, 0.2905, 0.2650



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.



16.3448, 0.2283, 0.1306



13.9268, 0.2079, 0.1006



26.3624, 0.3087, 0.1695



14.8723, 0.3048, 0.3051



5.0202, 0.1911, 0.0827



0.4503, 0.2066, 0.0912

Inverse Universe

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



24.8142, 0.4102, 0.2361



25.4051, 0.4408, 0.2311



61.6536, 0.3063, 0.5503



15.1956, 0.3205, 0.3159



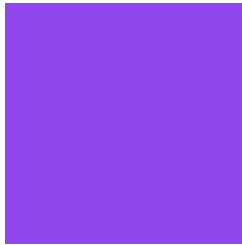
10.7811, 0.4699, 0.2362



0.8659, 0.4435, 0.2217

Previews

White Background



This preview shows how the Yxy color 16.3443, 0.2283, 0.1306 looks on a white background.

Color Contrast Check

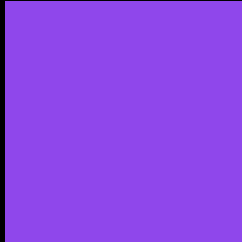
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3443, 0.2283, 0.1306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

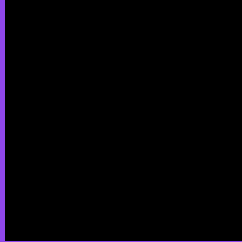
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3443, 0.2283, 0.1306

Background



This preview shows how black text looks on a background with the Yxy color 16.3443, 0.2283, 0.1306.



This preview shows how white text looks on a background with the Yxy color 16.3443, 0.2283, 0.1306.

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

16.3443, 0.2283, 0.1306

Protanopia

16.3823, 0.1739, 0.1461

Deuteranopia

16.3850, 0.1844, 0.1838



Tritanopia

16.3114, 0.3135, 0.3133

Trichromacy



Original Color

16.3443, 0.2283, 0.1306



Protanomaly

14.6840, 0.1780, 0.1311



Deuteranomaly

14.4072, 0.1844, 0.1496



Tritanomaly

15.4510, 0.2747, 0.2192

Monochromacy



Original Color

16.3443, 0.2283, 0.1306



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

14.9770, 0.2751, 0.2245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3443, 0.2283, 0.1306 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(143, 71, 235)` looks like.

```
.text, #text, p{  
    color:rgb(143, 71, 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(143, 71, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 71, 235) }
```

Border

The CSS property to change the border of an element to Yxy 16.3443, 0.2283, 0.1306 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(143, 71, 235) }
```

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

```
.border{ border-color:rgb(143, 71, 235) }
```

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

Here you see how a box with a 4 pixel rgb(143, 71, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 71, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 71, 235);  
box-shadow:4px 4px 4px 4px rgb(143, 71,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3443, 0.2283, 0.1306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 71, 235) }
```

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

```
.background{ background-color: rgb(143, 71,  
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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