

Converting Colors

$Y_{xy}(16.7975, 0.2288, 0.1432)$

Have a look what the booklet for
Yxy(16.7975, 0.2288, 0.1432)
contains.

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Color

Yxy(16.8284, 0.2283, 0.1433)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8753E2 |
| RGB | 135, 83, 226 |
| RGB Percent | 53%, 33%, 89% |
| CMY | 0.4707, 0.6745, 0.1137 |
| CMYK | 0.40, 0.63, 0.00, 0.11 |
| HSL | 262°, 71%, 61% |
| HSV | 262°, 63%, 89% |
| XYZ | 26.8104, 16.8284, 73.7960 |
| YIQ | 114.8500, -14.9110, 55.4970 |

Conversions

Conversions Part 2

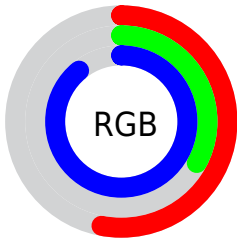
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 135, 83, 226 |
| Decimal | 8868834 |
| CIE _{Lab} | 48.04, 51.86, -65.26 |
| CIE _{LCh} | 48, 83.360, 308.475 |
| Yxy | 16.8284, 0.2283, 0.1433 |
| Android (android.graphics.Color) | 4287058914 (0xFF8753E2) |
| YUV | 114.8500, 54.7970, 17.6716 |
| Hunter-Lab | 41.0224, 44.8700, -77.9422 |

Details

The Yxy color **16.8284, 0.2283, 0.1433** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **64.0293, 0.3601, 0.4988**, and the grayscale version is **16.9316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8854, 0.2653, 0.1955**, and **5.4718, 0.1964, 0.1000** is the 20% darker color. If you saturate the color by 10%, you get **12.8018, 0.2124, 0.1172**, and if you desaturate by 10%, it is **22.1442, 0.2445, 0.1730**.

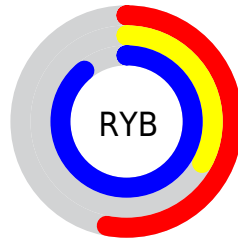
Distribution



Red (53%)

Green (33%)

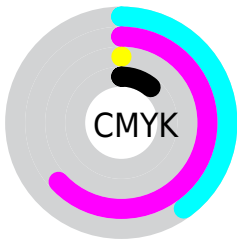
Blue (89%)



Red (53%)

Yellow (33%)

Blue (89%)

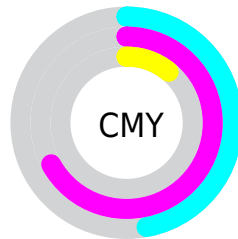


Cyan (40%)

Magenta (63%)

Yellow (0%)

Black (11%)



Cyan (47%)


Magenta (67%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8284, 0.2283, 0.1433 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 16.8284, 0.2283, 0.1433 by changing the saturation by 10% instead.


 16.8284, 0.2283,
0.1433


 16.8284, 0.2283,
0.1433


234.1816, 0.2773,
0.2328


 10.1122, 0.2147,
0.1236


 38.0305, 0.2473,
0.1742


 5.4734, 0.1969,
0.1004


 53.2852, 0.2541,
0.1863


 2.5276, 0.1731,
0.0735


 72.1549, 0.2597,
0.1968

 0.8904, 0.1409,
0.0439

 95.0239, 0.2644,
0.2059

 0.0000, 0.0997,
0.0000

 122.2767, 0.2684,
0.2139

 0.0000, 0.0016,
0.0000

154.2976, 0.2718,

 0.0000, 0.0000,

0.2209

0.0000

191.4711, 0.2747,
0.2272

■ 16.8284, 0.2283,
0.1433

■ 16.8284, 0.2283,
0.1433

■ 12.8018, 0.2124,
0.1172

■ 22.1442, 0.2445,
0.1730

■ 9.9421, 0.1976,
0.0964

■ 28.8524, 0.2602,
0.2044

■ 8.1048, 0.1849,
0.0819

■ 37.0476, 0.2748,
0.2359

■ 7.2913, 0.1776,
0.0752

■ 46.8151, 0.2880,
0.2663

■ 58.2338, 0.2997,
0.2949

■ 71.3773, 0.3097,
0.3210

■ 86.3145, 0.3184,
0.3446

■ 97.3513, 0.3266,
0.3574

■ 98.2717, 0.3297,
0.3572

Harmonies

Analogous

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



16.8284, 0.1374, 0.1268



16.8284, 0.2283, 0.1433



16.8284, 0.3794, 0.1899

Triad

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



16.8284, 0.2283, 0.1433



16.8284, 0.5604, 0.4302



16.8284, 0.1162, 0.3543

Complementary

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



16.8284, 0.2283, 0.1433



64.0293, 0.3601, 0.4988

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.



16.8284, 0.2002, 0.5666



16.8284, 0.2283, 0.1433



16.8284, 0.4529, 0.5462

Square

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



16.8284, 0.2283, 0.1433



16.8284, 0.6072, 0.3380



16.8284, 0.3215, 0.6315



16.8284, 0.0867, 0.2049

Rectangle

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



16.8284, 0.2283, 0.1433



16.8284, 0.4931, 0.2351



16.8284, 0.3215, 0.6315



16.8284, 0.1377, 0.4259

Sweetspot

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



16.8290, 0.2283, 0.1433



67.5000, 0.2930, 0.2784



38.3675, 0.2205, 0.2578



13.5540, 0.2896, 0.2701



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.



16.8290, 0.2283, 0.1433



15.4539, 0.2074, 0.1098



24.5973, 0.2971, 0.1745



13.4845, 0.3037, 0.3052



4.2204, 0.1791, 0.0760



0.3420, 0.1964, 0.0856

Inverse Universe

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



25.4173, 0.3818, 0.2305



28.1039, 0.4030, 0.2194



57.9956, 0.3136, 0.5268



13.8467, 0.3193, 0.3142



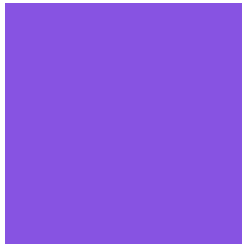
10.3945, 0.4387, 0.2190



0.7375, 0.4158, 0.2064

Previews

White Background



This preview shows how the Yxy color 16.8284, 0.2283, 0.1433 looks on a white background.

Color Contrast Check

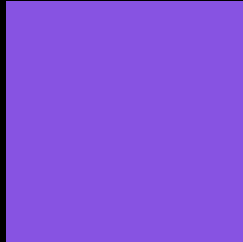
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8284, 0.2283, 0.1433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

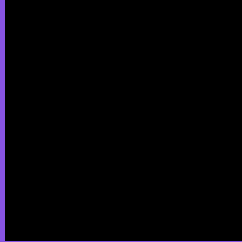
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8284, 0.2283, 0.1433

Background



This preview shows how black text looks on a background with the Yxy color 16.8284, 0.2283, 0.1433.



This preview shows how white text looks on a background with the Yxy color 16.8284, 0.2283, 0.1433.

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

16.8284, 0.2283, 0.1433

Protanopia

17.0351, 0.1739, 0.1461

Deuteranopia

16.8026, 0.1837, 0.1813



Tritanopia

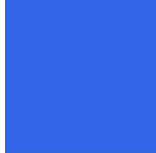
16.8845, 0.3007, 0.3132

Trichromacy



Original Color

16.8284, 0.2283, 0.1433



Protanomaly

15.4805, 0.1789, 0.1378



Deuteranomaly

15.2567, 0.1856, 0.1575



Tritanomaly

16.2316, 0.2684, 0.2300

Monochromacy



Original Color

16.8284, 0.2283, 0.1433



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

16.2046, 0.2758, 0.2378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8284, 0.2283, 0.1433 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(135, 83, 226)` looks like.

```
.text, #text, p{  
    color:rgb(135, 83, 226)  
}
```

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(135, 83, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 83, 226) }
```

Border

The CSS property to change the border of an element to Yxy 16.8284, 0.2283, 0.1433 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(135, 83, 226) }
```

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

```
.border{ border-color:rgb(135, 83, 226) }
```

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

Here you see how a box with a 4 pixel rgb(135, 83, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 83, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 83, 226);  
box-shadow:4px 4px 4px 4px rgb(135, 83,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8284, 0.2283, 0.1433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 83, 226) }
```

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

```
.background{ background-color: rgb(135, 83,  
226) }
```

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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