

Converting Colors

$Y_{xy}(16.4287, 0.2461, 0.1755)$

Have a look what the booklet for
Yxy(16.4287, 0.2461, 0.1755)
contains.

Yxy(16.3856, 0.2458, 0.1751)	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(16.3856, 0.2458, 0.1751)

Conversions

Conversions Part 1

Format	Color
Hex	825CC4
RGB	130, 92, 196
RGB Percent	51%, 36%, 77%
CMY	0.4901, 0.6393, 0.2313
CMYK	0.34, 0.53, 0.00, 0.23
HSL	262°, 47%, 56%
HSV	262°, 53%, 77%
XYZ	23.0016, 16.3856, 54.1913
YIQ	115.2180, -10.7360, 40.4000

Conversions

Conversions Part 2

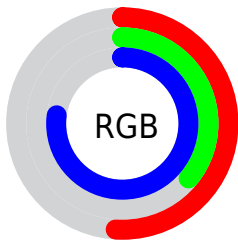
Format	Color
R _Y B	130, 92, 196
Decimal	8543428
CIE Lab	47.48, 37.98, -49.05
CIE LCh	47, 62.039, 307.748
Yxy	16.3856, 0.2458, 0.1751
Android (android.graphics.Color)	4286733508 (0xFF825CC4)
YUV	115.2180, 39.8255, 12.9638
Hunter-Lab	40.4791, 30.5912, -51.0389

Details

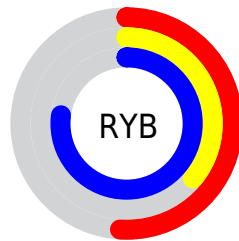
The Yxy color **16.3856, 0.2458, 0.1751** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **47.5331, 0.3552, 0.4719**, and the grayscale version is **17.0936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1759, 0.2618, 0.2036**, and **5.2610, 0.2188, 0.1325** is the 20% darker color. If you saturate the color by 10%, you get **12.4938, 0.2298, 0.1456**, and if you desaturate by 10%, it is **21.2759, 0.2613, 0.2063**.

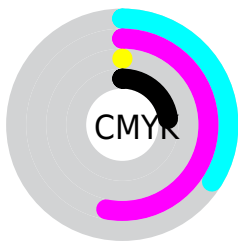
Distribution



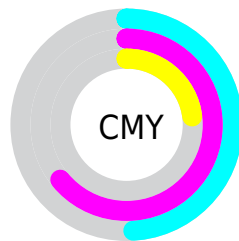
- Red (51%)
- Green (36%)
- Blue (77%)



- Red (51%)
- Yellow (36%)
- Blue (77%)



- Cyan (34%)
- Magenta (53%)
- Yellow (0%)
- Black (23%)




- Cyan (49%)
- Magenta (64%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3856, 0.2458, 0.1751 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 16.3856, 0.2458, 0.1751 by changing the saturation by 10% instead.


 16.3856, 0.2458,
0.1751

 16.3856, 0.2458,
0.1751

231.6064, 0.2854,
0.2540


 9.7974, 0.2340,
0.1558


 37.2663, 0.2616,
0.2037


 5.2648, 0.2180,
0.1319


 52.3277, 0.2671,
0.2145

 2.4035, 0.1953,
0.1019

 70.9822, 0.2716,
0.2237

 0.8277, 0.1621,
0.0655

 93.6143, 0.2754,
0.2315

 0.0000, 0.1140,
0.0000

120.6084, 0.2785,
0.2383

 0.0000, 0.0000,
0.0000

152.3489, 0.2811,

0.2442

189.2201, 0.2834,
0.2494

■ 16.3856, 0.2458,
0.1751

■ 16.3856, 0.2458,
0.1751

■ 12.4938, 0.2298,
0.1456

■ 21.2759, 0.2613,
0.2063

■ 9.5254, 0.2140,
0.1194

■ 27.2289, 0.2756,
0.2375

■ 7.3966, 0.1993,
0.0983

■ 34.3053, 0.2886,
0.2675

■ 6.0072, 0.1864,
0.0833

■ 42.5606, 0.3000,
0.2957

■ 5.3517, 0.1787,
0.0758

■ 52.0465, 0.3100,
0.3216

■ 62.8117, 0.3184,
0.3449

■ 74.9023, 0.3256,
0.3658

■ 88.3618, 0.3317,
0.3844

■ 94.3748, 0.3390,
0.3887

Harmonies

Analogous

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



16.3856, 0.1681, 0.1616



16.3856, 0.2458, 0.1751



16.3856, 0.3632, 0.2158

Triad

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



16.3856, 0.2458, 0.1751



16.3856, 0.5214, 0.4285



16.3856, 0.1582, 0.3570

Complementary

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



16.3856, 0.2458, 0.1751



47.5331, 0.3552, 0.4719

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.



16.3856, 0.2349, 0.5009



16.3856, 0.2458, 0.1751



16.3856, 0.4423, 0.5108

Square

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



16.3856, 0.2458, 0.1751



16.3856, 0.5447, 0.3494



16.3856, 0.3391, 0.5587



16.3856, 0.1255, 0.2389

Rectangle

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



16.3856, 0.2458, 0.1751



16.3856, 0.4478, 0.2553



16.3856, 0.3391, 0.5587



16.3856, 0.1789, 0.4069

Sweetspot

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



16.3862, 0.2458, 0.1751



72.0916, 0.2966, 0.2870



31.2690, 0.2337, 0.2719



14.7540, 0.2942, 0.2811



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.



16.3862, 0.2458, 0.1751



21.4636, 0.2267, 0.1402



21.3925, 0.3008, 0.1967



9.9232, 0.3039, 0.3056



3.4825, 0.1801, 0.0766



0.1897, 0.2063, 0.0910

Inverse Universe

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



21.8596, 0.3663, 0.2443



32.8350, 0.3841, 0.2295



43.4275, 0.3151, 0.4919



10.1830, 0.3192, 0.3145



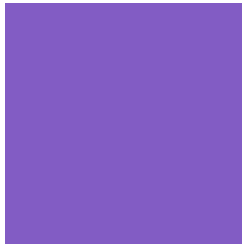
8.4984, 0.4386, 0.2190



0.3801, 0.4058, 0.2009

Previews

White Background



This preview shows how the Yxy color 16.3856, 0.2458, 0.1751 looks on a white background.

Color Contrast Check

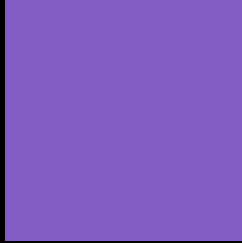
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3856, 0.2458, 0.1751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

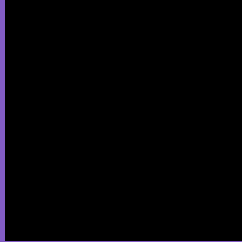
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3856, 0.2458, 0.1751

Background



This preview shows how black text looks on a background with the Yxy color 16.3856, 0.2458, 0.1751.



This preview shows how white text looks on a background with the Yxy color 16.3856, 0.2458, 0.1751.

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

16.3856, 0.2458, 0.1751

Protanopia

16.5821, 0.1895, 0.1644

Deuteranopia

16.6370, 0.1999, 0.1951



Tritanopia

16.3698, 0.3070, 0.3113

Trichromacy



Original Color

16.3856, 0.2458, 0.1751

Protanomaly

16.0445, 0.2033, 0.1657

Deuteranomaly

15.9973, 0.2111, 0.1841

Tritanomaly

16.0318, 0.2809, 0.2496

Monochromacy



Original Color

16.3856, 0.2458, 0.1751

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.5221, 0.2855, 0.2615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3856, 0.2458, 0.1751 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(130, 92, 196)` looks like.

```
.text, #text, p{  
    color:rgb(130, 92, 196)  
}
```

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(130, 92, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 92, 196) }
```

Border

The CSS property to change the border of an element to Yxy 16.3856, 0.2458, 0.1751 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(130, 92, 196) }
```

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

```
.border{ border-color:rgb(130, 92, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 92, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 92, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 92, 196);  
box-shadow:4px 4px 4px 4px rgb(130, 92,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3856, 0.2458, 0.1751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 92, 196) }
```

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

```
.background{ background-color: rgb(130, 92,  
196) }
```

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