

Converting Colors

$Y_{xy}(15.7941, 0.2855, 0.2249)$

Have a look what the booklet for
Yxy(15.7941, 0.2855, 0.2249)
contains.

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Color

Yxy(15.8209, 0.2853, 0.2254)

Conversions

Conversions Part 1

Format	Color
Hex	85609E
RGB	133, 96, 158
RGB Percent	52%, 38%, 62%
CMY	0.4785, 0.6235, 0.3804
CMYK	0.16, 0.39, 0.00, 0.38
HSL	276°, 24%, 50%
HSV	276°, 39%, 62%
XYZ	20.0253, 15.8209, 34.3441
YIQ	114.1310, 2.1500, 27.1260

Conversions

Conversions Part 2

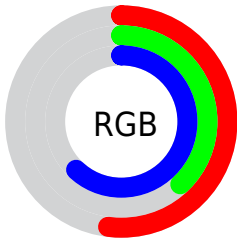
Format	Color
RYB	133, 96, 158
Decimal	8741022
CIELab	46.74, 27.10, -27.97
CIELCh	47, 38.944, 314.087
Yxy	15.8209, 0.2853, 0.2254
Android (android.graphics.Color)	4286931102 (0xFF85609E)
YUV	114.1310, 21.6274, 16.5481
Hunter-Lab	39.7755, 20.2602, -23.3511

Details

The Yxy color **15.8209, 0.2853, 0.2254** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **29.3635, 0.3310, 0.4373**, and the grayscale version is **16.8022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2363, 0.2924, 0.2467**, and **5.0311, 0.2716, 0.1903** is the 20% darker color. If you saturate the color by 10%, you get **12.7190, 0.2759, 0.1977**, and if you desaturate by 10%, it is **19.5350, 0.2938, 0.2533**.

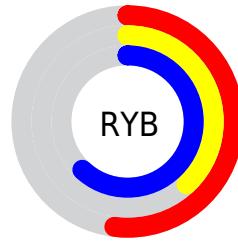
Distribution



Red (52%)

Green (38%)

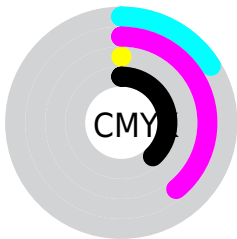
Blue (62%)



Red (52%)

Yellow (38%)

Blue (62%)

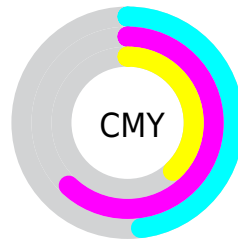


Cyan (16%)

Magenta (39%)

Yellow (0%)

Black (38%)



Cyan (48%)


Magenta (62%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8209, 0.2853, 0.2254 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 15.8209, 0.2853, 0.2254 by changing the saturation by 10% instead.


 15.8209, 0.2853,
0.2254


 15.8209, 0.2853,
0.2254

228.2826, 0.3025,
0.2820


 9.3975, 0.2795,
0.2098


 36.2870, 0.2925,
0.2471


 5.0014, 0.2710,
0.1889


 51.0985, 0.2949,
0.2549

 2.2481, 0.2575,
0.1599

 69.4748, 0.2969,
0.2614

 0.7460, 0.2341,
0.1173

 91.8003, 0.2984,
0.2668

 0.0000, 0.1581,
0.0000

118.4595, 0.2997,
0.2714

 0.0000, 0.0000,
0.0000

149.8366, 0.3008,

0.2754

186.3162, 0.3017,
0.2789

■ 15.8209, 0.2853,
0.2254

■ 15.8209, 0.2853,
0.2254

■ 12.7190, 0.2759,
0.1977

■ 19.5350, 0.2938,
0.2533

■ 10.1919, 0.2658,
0.1714

■ 23.8919, 0.3012,
0.2806

■ 8.2010, 0.2551,
0.1476


■ 28.9225, 0.3076,
0.3066

■ 6.7020, 0.2444,
0.1277


■ 34.6550, 0.3131,
0.3308


■ 5.6431, 0.2340,
0.1124


■ 41.1159, 0.3177,
0.3531


 4.9138, 0.2242,
0.1013

 48.3306, 0.3215,
0.3734

 4.8614, 0.2235,
0.1005

 56.3229, 0.3246,
0.3918

 65.1159, 0.3272,
0.4084

 74.7313, 0.3292,
0.4232

Harmonies

Analogous

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



15.8209, 0.2229, 0.2115



15.8209, 0.2853, 0.2254



15.8209, 0.3646, 0.2600

Triad

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



15.8209, 0.2853, 0.2254



15.8209, 0.4501, 0.4216



15.8209, 0.2013, 0.3327

Complementary

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



15.8209, 0.2853, 0.2254



29.3635, 0.3310, 0.4373

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.



15.8209, 0.2527, 0.4158



15.8209, 0.2853, 0.2254



15.8209, 0.3964, 0.4642

Square

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



15.8209, 0.2853, 0.2254



15.8209, 0.4668, 0.3656



15.8209, 0.3242, 0.4681



15.8209, 0.1796, 0.2622

Rectangle

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



15.8209, 0.2853, 0.2254



15.8209, 0.4146, 0.2916



15.8209, 0.3242, 0.4681



15.8209, 0.2154, 0.3608

Sweetspot

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



15.8216, 0.2853, 0.2254



49.6519, 0.3058, 0.2989



18.8351, 0.2498, 0.2623



10.9410, 0.3051, 0.2958



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.8216, 0.2853, 0.2254



23.7784, 0.2772, 0.2013



17.9306, 0.3237, 0.2416



6.6210, 0.3076, 0.3065



3.9171, 0.2242, 0.1009



0.0942, 0.2640, 0.1228

Inverse Universe

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



17.0172, 0.3685, 0.2885



26.3972, 0.3870, 0.2797



27.8828, 0.3032, 0.4356



6.6883, 0.3224, 0.3200



6.1234, 0.5314, 0.2701



0.1176, 0.4358, 0.2175

Previews

White Background



This preview shows how the Yxy color 15.8209, 0.2853, 0.2254 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 15.8209, 0.2853, 0.2254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

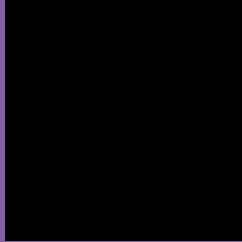
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8209, 0.2853, 0.2254

Background



This preview shows how black text looks on a background with the Yxy color 15.8209, 0.2853, 0.2254.



This preview shows how white text looks on a background with the Yxy color 15.8209, 0.2853, 0.2254.

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

15.8209, 0.2853, 0.2254

Protanopia

15.9755, 0.2322, 0.2202

Deuteranopia

16.0052, 0.2489, 0.2441



Tritanopia

15.7537, 0.3304, 0.3118

Trichromacy



Original Color

15.8209, 0.2853, 0.2254

Protanomaly

15.6814, 0.2489, 0.2207

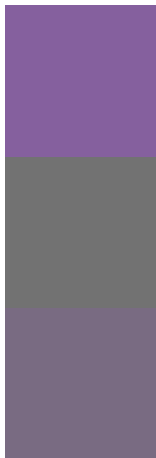
Deuteranomaly

15.7547, 0.2603, 0.2362

Tritanomaly

15.7816, 0.3138, 0.2776

Monochromacy



Original Color

15.8209, 0.2853, 0.2254

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.1920, 0.3028, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8209, 0.2853, 0.2254 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(133, 96, 158)` looks like.

```
.text, #text, p{  
    color:rgb(133, 96, 158)  
}
```

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(133, 96, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 96, 158) }
```

Border

The CSS property to change the border of an element to Yxy 15.8209, 0.2853, 0.2254 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(133, 96, 158) }
```

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

```
.border{ border-color:rgb(133, 96, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 96, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 96, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 96, 158);  
box-shadow:4px 4px 4px 4px rgb(133, 96,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8209, 0.2853, 0.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 96, 158) }
```

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

```
.background{ background-color: rgb(133, 96,  
158) }
```

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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