

Converting Colors

$Y_{xy}(10.8035, 0.2834, 0.1932)$

Have a look what the booklet for
Yxy(10.8035, 0.2834, 0.1932)
contains.

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Color

Yxy(10.8035, 0.2834, 0.1932)

Conversions

Conversions Part 1

Format	Color
Hex	7C4694
RGB	124, 70, 148
RGB Percent	49%, 27%, 58%
CMY	0.5137, 0.7255, 0.4196
CMYK	0.16, 0.53, 0.00, 0.42
HSL	282°, 36%, 43%
HSV	282°, 53%, 58%
XYZ	15.8474, 10.8035, 29.2679
YIQ	95.0380, 7.1460, 35.7060

Conversions

Conversions Part 2

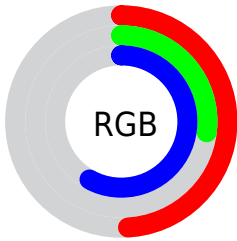
Format	Color
R_{YB}	124, 70, 148
Decimal	8144532
CIE _{Lab}	39.25, 37.06, -33.82
CIE _{LCh}	39, 50.173, 317.618
Yxy	10.8035, 0.2834, 0.1932
Android (android.graphics.Color)	4286334612 (0xFF7C4694)
YUV	95.0380, 26.1103, 25.3997
Hunter-Lab	32.8687, 28.5422, -29.7866

Details

The Yxy color **10.8035, 0.2834, 0.1932** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **24.0030, 0.3270, 0.4812**, and the grayscale version is **11.3887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1622, 0.2926, 0.2224**, and **2.8159, 0.2644, 0.1439** is the 20% darker color. If you saturate the color by 10%, you get **8.8433, 0.2757, 0.1694**, and if you desaturate by 10%, it is **13.2366, 0.2906, 0.2190**.

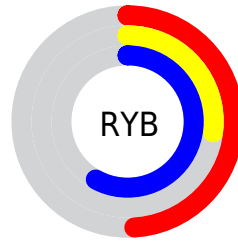
Distribution



Red (49%)

Green (27%)

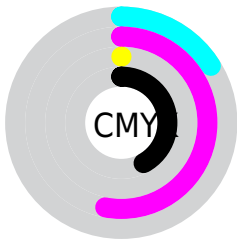
Blue (58%)



Red (49%)

Yellow (27%)

Blue (58%)

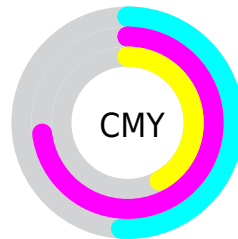


Cyan (16%)

Magenta (53%)

Yellow (0%)

Black (42%)



Cyan (51%)


Magenta (73%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8035, 0.2834, 0.1932 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 10.8035, 0.2834, 0.1932 by changing the saturation by 10% instead.


 10.8035, 0.2834,
0.1932


 10.8035, 0.2834,
0.1932


196.3144, 0.3035,
0.2687


 5.9349, 0.2757,
0.1721


 27.2962, 0.2924,
0.2224


 2.8055, 0.2638,
0.1442

 39.6891, 0.2953,
0.2328


 1.0311, 0.2436,
0.1064

 55.3589, 0.2974,
0.2415

 0.0000, 0.2183,
0.0000

 74.6899, 0.2992,
0.2487

 0.0000, 0.0000,
0.0000

 98.0665, 0.3006,
0.2548

125.8733, 0.3017,

0.2601

158.4944, 0.3027,
0.2647

■ 10.8035, 0.2834,
0.1932

■ 10.8035, 0.2834,
0.1932

■ 8.8433, 0.2757,
0.1694

■ 13.2366, 0.2906,
0.2190

■ 7.3204, 0.2676,
0.1487

■ 16.1722, 0.2970,
0.2456

■ 6.1959, 0.2594,
0.1320

■ 19.6389, 0.3027,
0.2723

■ 5.4237, 0.2514,
0.1198

■ 23.6628, 0.3076,
0.2981

■ 4.9896, 0.2457,
0.1127

■ 28.2683, 0.3117,
0.3226

■ 33.4783, 0.3152,
0.3456

■ 39.3143, 0.3180,
0.3667

■ 45.7970, 0.3203,
0.3860

■ 52.9460, 0.3221,
0.4035

Harmonies

Analogous

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



10.8035, 0.1961, 0.1714



10.8035, 0.2834, 0.1932



10.8035, 0.3998, 0.2400

Triad

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



10.8035, 0.2834, 0.1932



10.8035, 0.4911, 0.4525



10.8035, 0.1525, 0.3143

Complementary

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



10.8035, 0.2834, 0.1932



24.0030, 0.3270, 0.4812

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.



10.8035, 0.2129, 0.4472



10.8035, 0.2834, 0.1932



10.8035, 0.4074, 0.5223

Square

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



10.8035, 0.2834, 0.1932



10.8035, 0.5314, 0.3754



10.8035, 0.3069, 0.5364



10.8035, 0.1329, 0.2213

Rectangle

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



10.8035, 0.2834, 0.1932



10.8035, 0.4722, 0.2813



10.8035, 0.3069, 0.5364



10.8035, 0.1679, 0.3566

Sweetspot

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



10.8039, 0.2834, 0.1932



39.0649, 0.3059, 0.2889



11.5715, 0.2247, 0.2178



8.6158, 0.3050, 0.2841



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



10.8039, 0.2834, 0.1932



15.1356, 0.2744, 0.1660



12.3899, 0.3402, 0.2256



5.8206, 0.3091, 0.3069



4.2765, 0.2461, 0.1130



0.0679, 0.2825, 0.1330

Inverse Universe

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



11.4853, 0.4121, 0.2882



16.6645, 0.4480, 0.2819



23.1277, 0.2946, 0.4626



5.8430, 0.3237, 0.3222



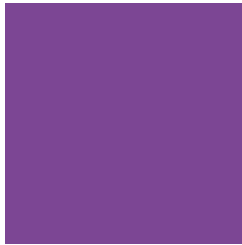
5.5476, 0.5675, 0.2900



0.0727, 0.4612, 0.2314

Previews

White Background



This preview shows how the Yxy color 10.8035, 0.2834, 0.1932 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 10.8035, 0.2834, 0.1932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

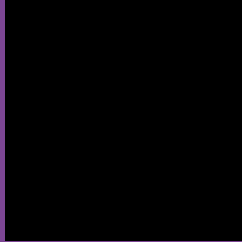
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8035, 0.2834, 0.1932

Background



This preview shows how black text looks on a background with the Yxy color 10.8035, 0.2834, 0.1932.



This preview shows how white text looks on a background with the Yxy color 10.8035, 0.2834, 0.1932.

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

10.8035, 0.2834, 0.1932

Protanopia

10.9431, 0.2003, 0.1787

Deuteranopia

11.0356, 0.2243, 0.2197



Tritanopia

10.7408, 0.3546, 0.3140

Trichromacy



Original Color

10.8035, 0.2834, 0.1932

Protanomaly

10.4739, 0.2216, 0.1809

Deuteranomaly

10.6160, 0.2419, 0.2074

Tritanomaly

10.6134, 0.3258, 0.2621

Monochromacy



Original Color

10.8035, 0.2834, 0.1932

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

10.9347, 0.3030, 0.2692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8035, 0.2834, 0.1932 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(124, 70, 148)` looks like.

```
.text, #text, p{  
    color:rgb(124, 70, 148)  
}
```

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(124, 70, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 70, 148) }
```

Border

The CSS property to change the border of an element to Yxy 10.8035, 0.2834, 0.1932 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(124, 70, 148) }
```

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

```
.border{ border-color:rgb(124, 70, 148) }
```

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

Here you see how a box with a 4 pixel rgb(124, 70, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 70, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 70, 148);  
box-shadow:4px 4px 4px 4px rgb(124, 70,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8035, 0.2834, 0.1932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 70, 148) }
```

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

```
.background{ background-color: rgb(124, 70,  
148) }
```

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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