

Converting Colors

$Y_{xy}(27.7226, 0.3345, 0.2755)$

Have a look what the booklet for
Yxy(27.7226, 0.3345, 0.2755)
contains.

Yxy(27.5834, 0.3345, 0.2751)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.5834, 0.3345, 0.2751)

Conversions

Conversions Part 1

Format	Color
Hex	B67EA5
RGB	182, 126, 165
RGB Percent	71%, 49%, 65%
CMY	0.2863, 0.5058, 0.3530
CMYK	0.00, 0.31, 0.09, 0.29
HSL	318°, 28%, 60%
HSV	318°, 31%, 71%
XYZ	33.5392, 27.5834, 39.1442
YIQ	147.1900, 20.8570, 24.0010

Conversions

Conversions Part 2

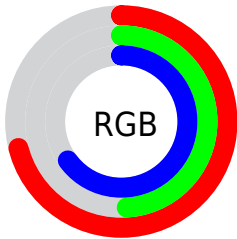
Format	Color
R_{YB}	182, 126, 165
Decimal	11959973
CIE _{Lab}	59.51, 27.85, -12.02
CIE _{LCh}	60, 30.333, 336.654
Yxy	27.5834, 0.3345, 0.2751
Android (android.graphics.Color)	4290150053 (0xFFB67EA5)
YUV	147.1900, 8.7803, 30.5284
Hunter-Lab	52.5199, 22.0804, -7.4261

Details

The Yxy color **27.5834, 0.3345, 0.2751** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.8696, 0.2962, 0.3899**, and the grayscale version is **29.2171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7582, 0.3307, 0.2853**, and **10.9503, 0.3413, 0.2583** is the 20% darker color. If you saturate the color by 10%, you get **23.1486, 0.3439, 0.2574**, and if you desaturate by 10%, it is **32.8760, 0.3263, 0.2931**.

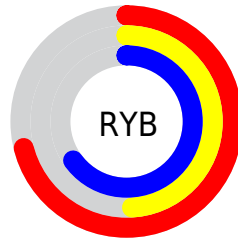
Distribution



Red (71%)

Green (49%)

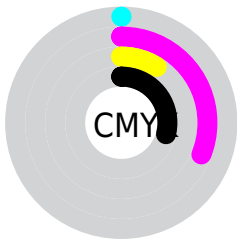
Blue (65%)



Red (71%)

Yellow (49%)

Blue (65%)

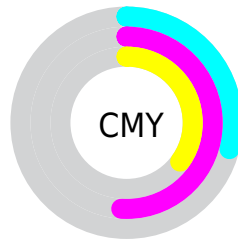


Cyan (0%)

Magenta (31%)

Yellow (9%)

Black (29%)



Cyan (29%)


Magenta (51%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5834, 0.3345, 0.2751 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 27.5834, 0.3345, 0.2751 by changing the saturation by 10% instead.


 27.5834, 0.3345,
0.2751


 27.5834, 0.3345,
0.2751


290.4709, 0.3232,
0.3032


 18.0119, 0.3374,
0.2677


 55.8186, 0.3303,
0.2856

 10.9585, 0.3413,
0.2580


 75.2511, 0.3288,
0.2894

 6.0389, 0.3465,
0.2448


 98.7393, 0.3275,
0.2926

 2.8688, 0.3540,
0.2255

126.6677, 0.3264,
0.2954

 1.0636, 0.3655,
0.1954

159.4207, 0.3254,
0.2977

 0.0000, 0.4457,
0.0000

197.3826, 0.3246,

 0.0000, 0.0000,

0.2998

0.0000

240.9379, 0.3239,
0.3016

■ 27.5834, 0.3345,
0.2751

■ 27.5834, 0.3345,
0.2751

■ 23.1486, 0.3439,
0.2574

■ 32.8760, 0.3263,
0.2931

■ 19.5218, 0.3546,
0.2409

■ 39.0653, 0.3192,
0.3108

■ 16.6539, 0.3662,
0.2264


■ 46.1921, 0.3131,
0.3278


■ 14.4887, 0.3787,
0.2150

■ 54.2939, 0.3080,
0.3438

■ 12.9624, 0.3915,
0.2077


■ 63.4059, 0.3038,
0.3588


 11.9993, 0.4043,
0.2052

 73.5617, 0.3002,
0.3726

 11.4675, 0.4159,
0.2065

 84.7932, 0.2972,
0.3854

 86.0768, 0.2943,
0.3805

 86.3558, 0.2914,
0.3740

Harmonies

Analogous

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



27.5834, 0.2839, 0.2539



27.5834, 0.3345, 0.2751



27.5834, 0.3823, 0.3084

Triad

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



27.5834, 0.3345, 0.2751



27.5834, 0.3811, 0.4142



27.5834, 0.2239, 0.2974

Complementary

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



27.5834, 0.3345, 0.2751



39.8696, 0.2962, 0.3899

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.



27.5834, 0.2458, 0.3461



27.5834, 0.3345, 0.2751



27.5834, 0.3355, 0.4192

Square

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



27.5834, 0.3345, 0.2751



27.5834, 0.4094, 0.3863



27.5834, 0.2860, 0.3935



27.5834, 0.2236, 0.2634

Rectangle

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



27.5834, 0.3345, 0.2751



27.5834, 0.4041, 0.3344



27.5834, 0.2860, 0.3935



27.5834, 0.2289, 0.3126

Sweetspot

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



27.5846, 0.3345, 0.2751



72.7937, 0.3181, 0.3135



24.1247, 0.2753, 0.2442



15.6857, 0.3191, 0.3110



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



27.5846, 0.3345, 0.2751



44.3313, 0.3409, 0.2629



26.6809, 0.3671, 0.3131



9.1150, 0.3183, 0.3132



8.1121, 0.4145, 0.2057



0.2964, 0.3851, 0.1895

Inverse Universe

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



27.5846, 0.3345, 0.2751



44.3313, 0.3409, 0.2629



40.8181, 0.2767, 0.3457



9.1150, 0.3183, 0.3132



8.1121, 0.4145, 0.2057



0.2964, 0.3851, 0.1895

Previews

White Background



This preview shows how the Yxy color 27.5834, 0.3345, 0.2751 looks on a white background.

Color Contrast Check

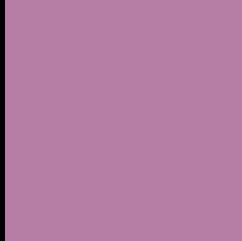
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 27.5834, 0.3345, 0.2751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

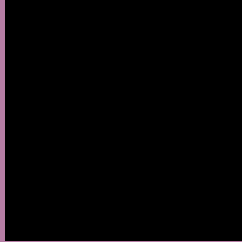
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5834, 0.3345, 0.2751

Background



This preview shows how black text looks on a background with the Yxy color 27.5834, 0.3345, 0.2751.



This preview shows how white text looks on a background with the Yxy color 27.5834, 0.3345, 0.2751.

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

27.5834, 0.3345, 0.2751

Protanopia

27.7148, 0.2757, 0.2762

Deuteranopia

27.7544, 0.3007, 0.2950



Tritanopia

27.4721, 0.3578, 0.3132

Trichromacy



Original Color

27.5834, 0.3345, 0.2751

Protanomaly

27.3592, 0.2953, 0.2749

Deuteranomaly

27.5494, 0.3125, 0.2872

Tritanomaly

27.6058, 0.3487, 0.2992

Monochromacy



Original Color

27.5834, 0.3345, 0.2751

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.2719, 0.3203, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5834, 0.3345, 0.2751 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(182, 126, 165)` looks like.

```
.text, #text, p{  
    color:rgb(182, 126, 165)  
}
```

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(182, 126, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 126, 165) }
```

Border

The CSS property to change the border of an element to Yxy 27.5834, 0.3345, 0.2751 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(182, 126, 165) }
```

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

```
.border{ border-color:rgb(182, 126, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 126, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 126, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 126, 165);  
box-shadow:4px 4px 4px 4px rgb(182, 126,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5834, 0.3345, 0.2751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 126, 165) }
```

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

```
.background{ background-color: rgb(182,  
126, 165) }
```

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