

Converting Colors

$Y_{xy}(68.0950, 0.3538, 0.3235)$

Have a look what the booklet for
Yxy(68.0950, 0.3538, 0.3235)
contains.

Yxy(67.4895, 0.3517, 0.3240)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.4895, 0.3517, 0.3240)

Conversions

Conversions Part 1

Format	Color
Hex	FFC9CE
RGB	255, 201, 206
RGB Percent	100%, 79%, 81%
CMY	0.0001, 0.2117, 0.1922
CMYK	0.00, 0.21, 0.19, 0.00
HSL	354°, 100%, 89%
HSV	354°, 21%, 100%
XYZ	73.2594, 67.4895, 67.5520
YIQ	217.7160, 30.5790, 13.0030

Conversions

Conversions Part 2

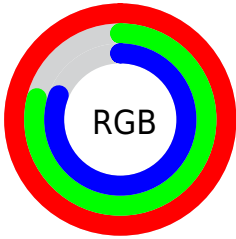
Format	Color
R _Y B	255, 201, 206
Decimal	16763342
CIE _{Lab}	85.75, 19.86, 4.85
CIE _{LCh}	86, 20.440, 13.738
Y _{xy}	67.4895, 0.3517, 0.3240
Android (android.graphics.Color)	4294953422 (0xFFFFC9CE)
YUV	217.7160, -5.7760, 32.6981
Hunter-Lab	82.1520, 15.4122, 8.7534

Details

The Yxy color **67.4895, 0.3517, 0.3240** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.8265, 0.2836, 0.3341**, and the grayscale version is **69.9305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.1402, 0.3616, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **55.5305, 0.3774, 0.3215**, and if you desaturate by 10%, it is **81.5934, 0.3310, 0.3264**.

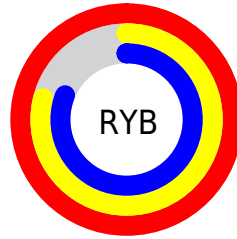
Distribution



Red (100%)

Green (79%)

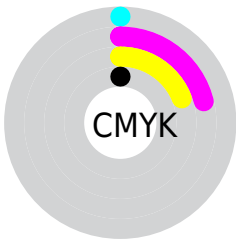
Blue (81%)



Red (100%)

Yellow (79%)

Blue (81%)

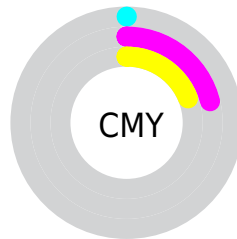


Cyan (0%)

Magenta (21%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.4895, 0.3517, 0.3240 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 67.4895, 0.3517, 0.3240 by changing the saturation by 10% instead.


 67.4895, 0.3517,
0.3240

 67.4895, 0.3517,
0.3240

451.6852, 0.3333,
0.3266

 49.4825, 0.3560,
0.3234


115.6215, 0.3452,
0.3249

 35.0024, 0.3613,
0.3225


146.5154, 0.3428,
0.3253

 23.6647, 0.3682,
0.3214


182.4737, 0.3406,
0.3256

 15.0851, 0.3773,
0.3199

223.8808, 0.3388,
0.3258

 8.8791, 0.3899,
0.3176

271.1211, 0.3371,
0.3261

 4.6624, 0.4086,
0.3141

324.5790, 0.3357,

 2.0506, 0.4389,

0.3262

0.3076

384.6389, 0.3344,
0.3264

0.6366, 0.5296,
0.3024

0.0000, 1.0000,
0.0000

67.4895, 0.3517,
0.3240

67.4895, 0.3517,
0.3240

55.5305, 0.3774,
0.3215

81.5934, 0.3310,
0.3264

45.6027, 0.4091,
0.3191

97.9304, 0.3144,
0.3287

37.5958, 0.4470,
0.3171

99.9954, 0.3127,
0.3290

31.3856, 0.4903,
0.3160

■ 26.8329, 0.5363,
0.3162

■ 23.7785, 0.5796,
0.3182

■ 22.0314, 0.6135,
0.3219

■ 21.3193, 0.6321,
0.3256

Harmonies

Analogous

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



67.4895, 0.3302, 0.3046



67.4895, 0.3517, 0.3240



67.4895, 0.3625, 0.3453

Triad

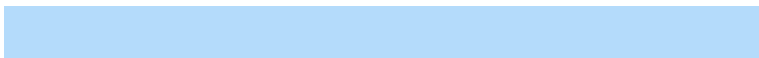
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.4895, 0.3517, 0.3240



67.4895, 0.3193, 0.3707



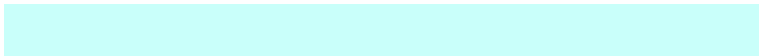
67.4895, 0.2679, 0.2932

Complementary

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



67.4895, 0.3517, 0.3240



90.8265, 0.2836, 0.3341

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.



67.4895, 0.2654, 0.3095



67.4895, 0.3517, 0.3240



67.4895, 0.2944, 0.3553

Square

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



67.4895, 0.3517, 0.3240



67.4895, 0.3432, 0.3733



67.4895, 0.2749, 0.3324



67.4895, 0.2819, 0.2870

Rectangle

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



67.4895, 0.3517, 0.3240



67.4895, 0.3619, 0.3581



67.4895, 0.2749, 0.3324



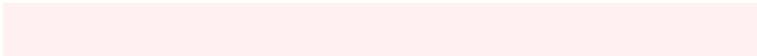
67.4895, 0.2657, 0.2976

Sweetspot

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



67.4926, 0.3517, 0.3240



89.7612, 0.3220, 0.3277



69.2462, 0.3112, 0.2756



18.9847, 0.3231, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

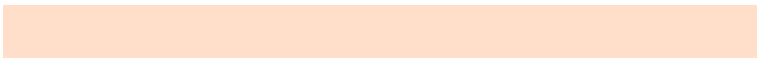
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.4926, 0.3517, 0.3240



62.6678, 0.3609, 0.3230



78.0354, 0.3511, 0.3510



18.0143, 0.3280, 0.3268



11.1513, 0.6300, 0.3244



1.0945, 0.6100, 0.3134

Inverse Universe

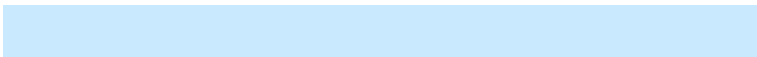
The Inverse Universe completely reimagines the original color for something new.



67.4926, 0.3517, 0.3240



62.6678, 0.3609, 0.3230



78.1385, 0.2795, 0.3059



18.0143, 0.3280, 0.3268



11.1513, 0.6300, 0.3244



1.0945, 0.6100, 0.3134

Previews

White Background



This preview shows how the Yxy color 67.4895, 0.3517, 0.3240 looks on a white background.

Color Contrast Check

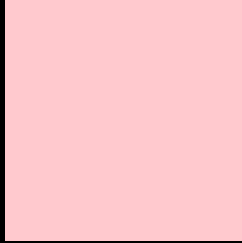
Large Text (above 18pt) WCAG AA × Fail

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 67.4895, 0.3517, 0.3240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

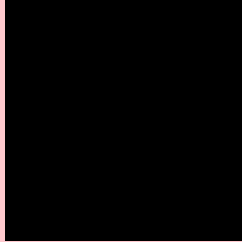
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.4895, 0.3517, 0.3240

Background



This preview shows how black text looks on a background with the Yxy color 67.4895, 0.3517, 0.3240.



This preview shows how white text looks on a background with the Yxy color 67.4895, 0.3517, 0.3240.

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

67.4895, 0.3517, 0.3240

Protanopia

67.9573, 0.3171, 0.3301

Deuteranopia

67.3841, 0.3388, 0.3312



Tritanopia

67.4748, 0.3449, 0.3138

Trichromacy



Original Color

67.4895, 0.3517, 0.3240

Protanomaly

67.4099, 0.3294, 0.3280

Deuteranomaly

67.4829, 0.3438, 0.3291

Tritanomaly

67.3220, 0.3472, 0.3168

Monochromacy



Original Color

67.4895, 0.3517, 0.3240

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

68.9309, 0.3255, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4895, 0.3517, 0.3240 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(255, 201, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 206)  
}
```

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(255, 201, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 206) }
```

Border

The CSS property to change the border of an element to Yxy 67.4895, 0.3517, 0.3240 is called "border". The border property can be set on classes, ids or directly on the HTML element.

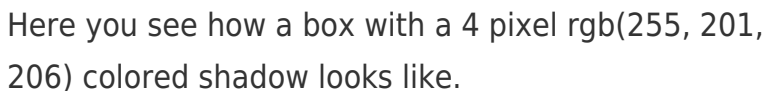
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 201, 206) }
```

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

```
.border{ border-color:rgb(255, 201, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 201, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4895, 0.3517, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 206) }
```

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

```
.background{ background-color: rgb(255,  
201, 206) }
```

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