

Converting Colors

$Y_{xy}(72.0040, 0.3766, 0.3333)$

Have a look what the booklet for
Yxy(72.0040, 0.3766, 0.3333)
contains.

Yxy(67.5323, 0.3586, 0.3343)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.5323, 0.3586, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	FFCAC5
RGB	255, 202, 197
RGB Percent	100%, 79%, 77%
CMY	0.0000, 0.2078, 0.2275
CMYK	0.00, 0.21, 0.23, 0.00
HSL	5°, 100%, 89%
HSV	5°, 23%, 100%
XYZ	72.4412, 67.5323, 62.0376
YIQ	217.2770, 33.1930, 9.6810

Conversions

Conversions Part 2

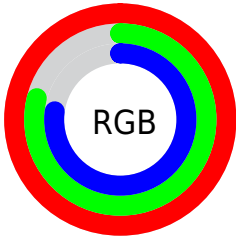
Format	Color
R _Y B	255, 202, 197
Decimal	16763589
CIE Lab	85.77, 18.05, 9.67
CIE LCh	86, 20.475, 28.168
Yxy	67.5323, 0.3586, 0.3343
Android (android.graphics.Color)	4294953669 (0xFFFFCAC5)
YUV	217.2770, -9.9966, 33.0831
Hunter-Lab	82.1780, 13.5389, 12.7656

Details

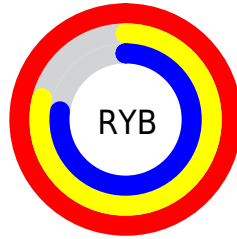
The Yxy color **67.5323, 0.3586, 0.3343** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.4578, 0.2785, 0.3236**, and the grayscale version is **69.6405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **35.0333, 0.3698, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **56.3405, 0.3868, 0.3368**, and if you desaturate by 10%, it is **80.5744, 0.3357, 0.3319**.

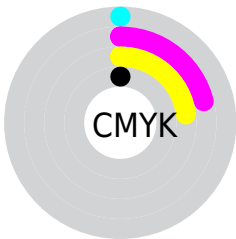
Distribution



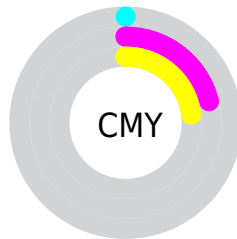
- Red (100%)
- Green (79%)
- Blue (77%)



- Red (100%)
- Yellow (79%)
- Blue (77%)



- Cyan (0%)
- Magenta (21%)
- Yellow (23%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5323, 0.3586, 0.3343 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 67.5323, 0.3586, 0.3343 by changing the saturation by 10% instead.

 67.5323, 0.3586,
0.3343

 67.5323, 0.3586,
0.3343

451.8371, 0.3369,
0.3322

 49.5173, 0.3637,
0.3347


115.6828, 0.3510,
0.3336

 35.0300, 0.3700,
0.3351


146.5871, 0.3480,
0.3334

 23.6860, 0.3781,
0.3356


182.5567, 0.3455,
0.3331

 15.1009, 0.3889,
0.3361

223.9760, 0.3433,
0.3329

 8.8902, 0.4038,
0.3364

271.2292, 0.3414,
0.3327

 4.6696, 0.4259,
0.3364


324.7009, 0.3397,


 2.0548, 0.4615,


0.3325


0.3349


384.7754, 0.3382,
0.3324


 0.6390, 0.6178,
0.3706


 0.0000, 0.0000,
0.0000


 67.5323, 0.3586,
0.3343


 67.5323, 0.3586,
0.3343

 56.3405, 0.3868,
0.3368


 80.5744, 0.3357,
0.3319

 46.9124, 0.4209,
0.3392

 95.5423, 0.3172,
0.3296

 39.1589, 0.4611,
0.3412

100.0000, 0.3127,
0.3290

 32.9817, 0.5060,
0.3423

■ 28.2726, 0.5519,
0.3421

■ 24.9094, 0.5930,
0.3401

■ 22.7502, 0.6225,
0.3366

■ 21.8340, 0.6351,
0.3339

Harmonies

Analogous

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



67.5323, 0.3415, 0.3134



67.5323, 0.3586, 0.3343



67.5323, 0.3628, 0.3548

Triad

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



67.5323, 0.3586, 0.3343



67.5323, 0.3070, 0.3647



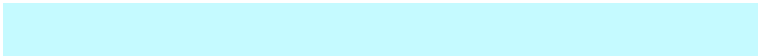
67.5323, 0.2733, 0.2888

Complementary

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



67.5323, 0.3586, 0.3343



87.4578, 0.2785, 0.3236

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.



67.5323, 0.2650, 0.3005



67.5323, 0.3586, 0.3343



67.5323, 0.2840, 0.3448

Square

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



67.5323, 0.3586, 0.3343



67.5323, 0.3323, 0.3738



67.5323, 0.2688, 0.3208



67.5323, 0.2920, 0.2877

Rectangle

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



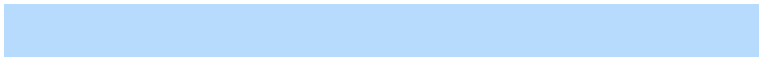
67.5323, 0.3586, 0.3343



67.5323, 0.3576, 0.3657



67.5323, 0.2688, 0.3208



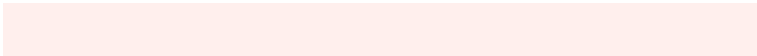
67.5323, 0.2693, 0.2916

Sweetspot

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



67.5332, 0.3586, 0.3343



88.9350, 0.3246, 0.3305



68.1037, 0.3188, 0.2766



18.8413, 0.3257, 0.3307



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.



67.5332, 0.3586, 0.3343



62.5510, 0.3699, 0.3354



82.3490, 0.3522, 0.3632



18.2389, 0.3292, 0.3311



11.4945, 0.6337, 0.3350



1.2010, 0.6206, 0.3454

Inverse Universe

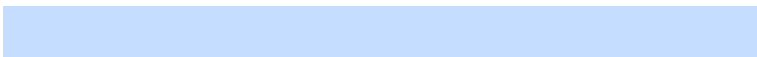
The Inverse Universe completely reimagines the original color for something new.



87.4578, 0.2785, 0.3236



85.4655, 0.2726, 0.3225



70.8899, 0.2760, 0.2922



20.1974, 0.2980, 0.3269



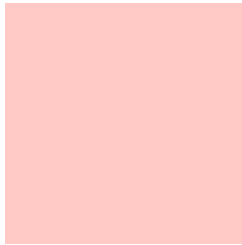
34.3339, 0.2171, 0.3017



3.4186, 0.2181, 0.3050

Previews

White Background



This preview shows how the Yxy color 67.5323, 0.3586, 0.3343 looks on a white background.

Color Contrast Check

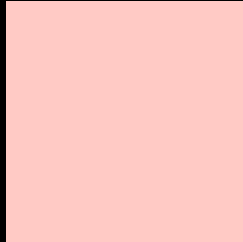
Large Text (above 18pt) WCAG AA × Fail

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 67.5323, 0.3586, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

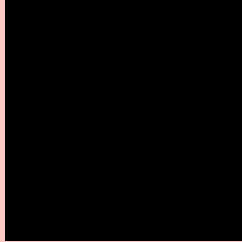
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.5323, 0.3586, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 67.5323, 0.3586, 0.3343.

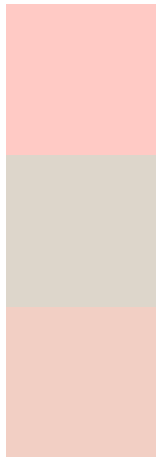


This preview shows how white text looks on a background with the Yxy color 67.5323, 0.3586, 0.3343.

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

67.5323, 0.3586, 0.3343

Protanopia

67.7771, 0.3255, 0.3413

Deuteranopia

67.4884, 0.3479, 0.3408



Tritanopia

67.4748, 0.3449, 0.3138

Trichromacy



Original Color

67.5323, 0.3586, 0.3343

Protanomaly

67.6339, 0.3366, 0.3388

Deuteranomaly

67.4223, 0.3523, 0.3386

Tritanomaly

67.5874, 0.3501, 0.3219

Monochromacy



Original Color

67.5323, 0.3586, 0.3343

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.7290, 0.3283, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5323, 0.3586, 0.3343 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, 202, 197)` looks like.

```
.text, #text, p{  
  color:rgb(255, 202, 197)  
}
```

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, 202, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 197) }
```

Border

The CSS property to change the border of an element to Yxy 67.5323, 0.3586, 0.3343 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, 202, 197) }
```

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

```
.border{ border-color:rgb(255, 202, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5323, 0.3586, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 197) }
```

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

```
.background{ background-color: rgb(255,  
202, 197) }
```

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