

Converting Colors

$Y_{xy}(76.2289, 0.4046, 0.3312)$

Have a look what the booklet for
Yxy(76.2289, 0.4046, 0.3312)
contains.

Yxy(64.6349, 0.3624, 0.3312)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.6349, 0.3624, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	FFC4C2
RGB	255, 196, 194
RGB Percent	100%, 77%, 76%
CMY	0.0000, 0.2314, 0.2392
CMYK	0.00, 0.23, 0.24, 0.00
HSL	2°, 100%, 88%
HSV	2°, 24%, 100%
XYZ	70.7237, 64.6349, 59.7951
YIQ	213.4130, 35.8060, 11.8860

Conversions

Conversions Part 2

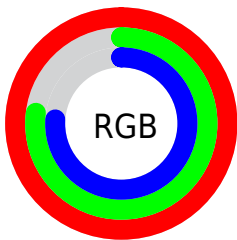
Format	Color
R _Y B	255, 196, 194
Decimal	16762050
CIE Lab	84.30, 20.78, 9.14
CIE LCh	84, 22.699, 23.748
Yxy	64.6349, 0.3624, 0.3312
Android (android.graphics.Color)	4294952130 (0xFFFFC4C2)
YUV	213.4130, -9.5706, 36.4718
Hunter-Lab	80.3958, 16.3326, 12.1796

Details

The Yxy color **64.6349, 0.3624, 0.3312** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.9529, 0.2771, 0.3268**, and the grayscale version is **66.8769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4127, 0.3157, 0.3319**, and **33.1098, 0.3752, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **53.3556, 0.3921, 0.3322**, and if you desaturate by 10%, it is **77.9396, 0.3384, 0.3302**.

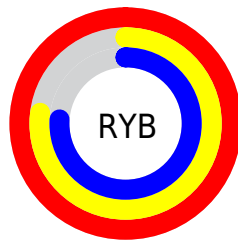
Distribution



Red (100%)

Green (77%)

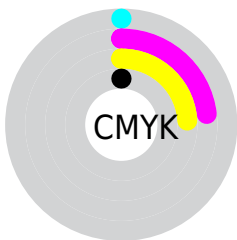
Blue (76%)



Red (100%)

Yellow (77%)

Blue (76%)

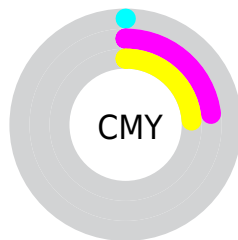


Cyan (0%)

Magenta (23%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6349, 0.3624, 0.3312 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 64.6349, 0.3624, 0.3312 by changing the saturation by 10% instead.


 64.6349, 0.3624,
0.3312

 64.6349, 0.3624,
0.3312


441.4788, 0.3387,
0.3306

 47.1651, 0.3680,
0.3312

 111.5248, 0.3540,
0.3311

 33.1662, 0.3750,
0.3312


141.7137, 0.3508,
0.3310

 22.2538, 0.3840,
0.3311


176.9110, 0.3481,
0.3309

 14.0435, 0.3960,
0.3308

217.5013, 0.3457,
0.3309

 8.1509, 0.4128,
0.3300

263.8688, 0.3436,
0.3308

 4.1917, 0.4378,
0.3282


316.3979, 0.3418,

 1.7814, 0.4788,


0.3307


0.3235


375.4731, 0.3402,
0.3307

 0.4755, 0.6698,
0.3302


 0.0000, 0.0000,
0.0000


 64.6349, 0.3624,
0.3312

 64.6349, 0.3624,
0.3312

 53.3556, 0.3921,
0.3322

 77.9396, 0.3384,
0.3302

 44.0040, 0.4283,
0.3331

 93.3639, 0.3192,
0.3293

 36.4717, 0.4709,
0.3339

100.0000, 0.3127,
0.3290

 30.6403, 0.5180,
0.3343

■ 26.3776, 0.5649,
0.3341

■ 23.5317, 0.6046,
0.3332

■ 21.9207, 0.6303,
0.3318

■ 21.4399, 0.6385,
0.3312

Harmonies

Analogous

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



64.6349, 0.3414, 0.3083



64.6349, 0.3624, 0.3312



64.6349, 0.3694, 0.3546

Triad

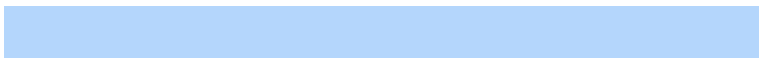
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.6349, 0.3624, 0.3312



64.6349, 0.3104, 0.3719



64.6349, 0.2664, 0.2851

Complementary

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



64.6349, 0.3624, 0.3312



88.9529, 0.2771, 0.3268

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.



64.6349, 0.2591, 0.2997



64.6349, 0.3624, 0.3312



64.6349, 0.2837, 0.3506

Square

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



64.6349, 0.3624, 0.3312



64.6349, 0.3386, 0.3798



64.6349, 0.2653, 0.3236



64.6349, 0.2857, 0.2823

Rectangle

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



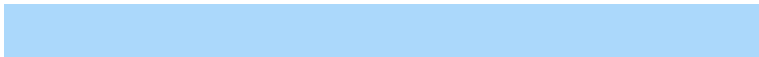
64.6349, 0.3624, 0.3312



64.6349, 0.3651, 0.3677



64.6349, 0.2653, 0.3236



64.6349, 0.2625, 0.2887

Sweetspot

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



64.6344, 0.3624, 0.3312



88.3753, 0.3246, 0.3296



67.0049, 0.3162, 0.2702



18.7122, 0.3258, 0.3297



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.



64.6344, 0.3624, 0.3312



58.6528, 0.3767, 0.3317



79.2898, 0.3554, 0.3611



18.0816, 0.3294, 0.3298



11.2438, 0.6378, 0.3318



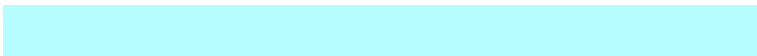
1.1266, 0.6325, 0.3360

Inverse Universe

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



88.9529, 0.2771, 0.3268



87.0456, 0.2703, 0.3263



71.7294, 0.2744, 0.2946



20.3741, 0.2980, 0.3282



38.4843, 0.2219, 0.3188



3.7776, 0.2222, 0.3200

Previews

White Background



This preview shows how the Yxy color 64.6349, 0.3624, 0.3312 looks on a white background.

Color Contrast Check

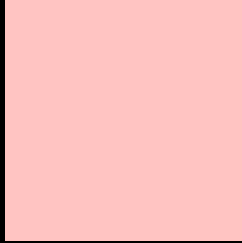
Large Text (above 18pt) WCAG AA × Fail

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 64.6349, 0.3624, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

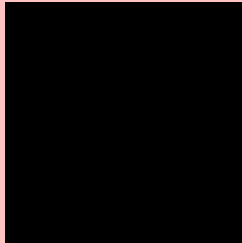
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6349, 0.3624, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 64.6349, 0.3624, 0.3312.



This preview shows how white text looks on a background with the Yxy color 64.6349, 0.3624, 0.3312.

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

64.6349, 0.3624, 0.3312

Protanopia

65.0619, 0.3243, 0.3392

Deuteranopia

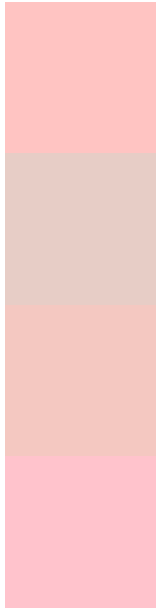
64.7393, 0.3478, 0.3400



Tritanopia

64.4470, 0.3506, 0.3137

Trichromacy



Original Color

64.6349, 0.3624, 0.3312

Protanomaly

64.7288, 0.3381, 0.3368

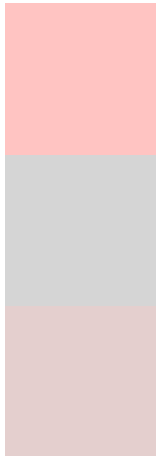
Deuteranomaly

64.3919, 0.3533, 0.3366

Tritanomaly

64.6498, 0.3545, 0.3198

Monochromacy



Original Color

64.6349, 0.3624, 0.3312

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.5759, 0.3295, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6349, 0.3624, 0.3312 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, 196, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 194)  
}
```

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, 196, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 194) }
```

Border

The CSS property to change the border of an element to Yxy 64.6349, 0.3624, 0.3312 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, 196, 194) }
```

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

```
.border{ border-color:rgb(255, 196, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6349, 0.3624, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 194) }
```

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

```
.background{ background-color: rgb(255,  
196, 194) }
```

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