

Converting Colors

$Y_{xy}(65.0801, 0.3572, 0.3251)$

Have a look what the booklet for
Yxy(65.0801, 0.3572, 0.3251)
contains.

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Color

Yxy(64.9100, 0.3575, 0.3250)

Conversions

Conversions Part 1

Format	Color
Hex	FFC4C8
RGB	255, 196, 200
RGB Percent	100%, 77%, 78%
CMY	0.0001, 0.2313, 0.2157
CMYK	0.00, 0.23, 0.22, 0.00
HSL	356°, 100%, 88%
HSV	356°, 23%, 100%
XYZ	71.4010, 64.9100, 63.4121
YIQ	214.0970, 33.8800, 13.7520

Conversions

Conversions Part 2

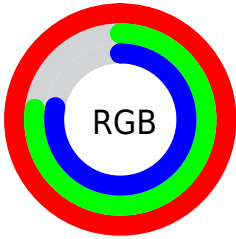
Format	Color
R _Y B	255, 196, 200
Decimal	16762056
CIE Lab	84.44, 21.61, 6.15
CIE LCh	84, 22.464, 15.884
Yxy	64.9100, 0.3575, 0.3250
Android (android.graphics.Color)	4294952136 (0xFFFFC4C8)
YUV	214.0970, -6.9498, 35.8719
Hunter-Lab	80.5667, 17.2010, 9.7310

Details

The Yxy color **64.9100, 0.3575, 0.3250** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.2113, 0.2804, 0.3331**, and the grayscale version is **67.3458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **33.2916, 0.3685, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **53.3435, 0.3851, 0.3232**, and if you desaturate by 10%, it is **78.6100, 0.3353, 0.3268**.

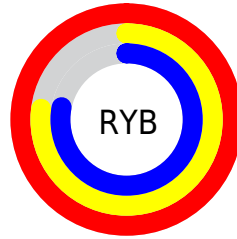
Distribution



Red (100%)

Green (77%)

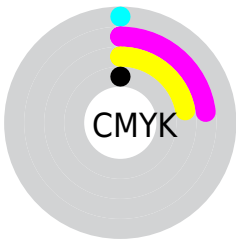
Blue (78%)



Red (100%)

Yellow (77%)

Blue (78%)

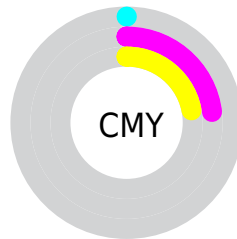


Cyan (0%)

Magenta (23%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9100, 0.3575, 0.3250 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 64.9100, 0.3575, 0.3250 by changing the saturation by 10% instead.


 64.9100, 0.3575,
0.3250

 64.9100, 0.3575,
0.3250

442.4685, 0.3362,
0.3272

 47.3881, 0.3625,
0.3244

 111.9205, 0.3500,
0.3258

 33.3426, 0.3688,
0.3236


142.1778, 0.3471,
0.3261

 22.3890, 0.3768,
0.3226


177.4491, 0.3446,
0.3264

 14.1430, 0.3876,
0.3211

218.1187, 0.3425,
0.3266

 8.2202, 0.4026,
0.3188

264.5711, 0.3406,
0.3268

 4.2362, 0.4251,
0.3150

317.1906, 0.3390,

 1.8065, 0.4619,

0.3269

0.3076

376.3616, 0.3375,
0.3271

0.4912, 0.6273,
0.3070

0.0000, 0.0000,
0.0000

64.9100, 0.3575,
0.3250

64.9100, 0.3575,
0.3250

53.3435, 0.3851,
0.3232

78.6100, 0.3353,
0.3268

43.7948, 0.4190,
0.3215

94.5337, 0.3175,
0.3285

36.1509, 0.4591,
0.3202

99.9968, 0.3127,
0.3290

30.2840, 0.5044,
0.3197

■ 26.0507, 0.5510,
0.3202

■ 23.2854, 0.5927,
0.3221

■ 21.7874, 0.6227,
0.3252

■ 21.2982, 0.6349,
0.3271

Harmonies

Analogous

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



64.9100, 0.3341, 0.3033



64.9100, 0.3575, 0.3250



64.9100, 0.3685, 0.3485

Triad

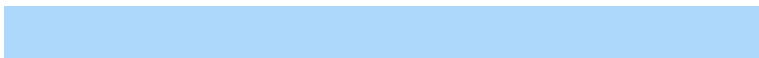
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.9100, 0.3575, 0.3250



64.9100, 0.3179, 0.3748



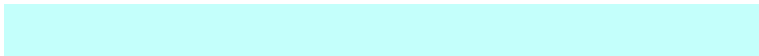
64.9100, 0.2638, 0.2883

Complementary

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



64.9100, 0.3575, 0.3250



90.2113, 0.2804, 0.3331

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.



64.9100, 0.2600, 0.3055



64.9100, 0.3575, 0.3250



64.9100, 0.2905, 0.3568

Square

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



64.9100, 0.3575, 0.3250



64.9100, 0.3448, 0.3787



64.9100, 0.2695, 0.3307



64.9100, 0.2800, 0.2824

Rectangle

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



64.9100, 0.3575, 0.3250



64.9100, 0.3670, 0.3625



64.9100, 0.2695, 0.3307



64.9100, 0.2610, 0.2929

Sweetspot

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



64.9130, 0.3575, 0.3250



88.1094, 0.3239, 0.3279



67.0414, 0.3118, 0.2706



18.6509, 0.3250, 0.3278



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.



64.9130, 0.3575, 0.3250



59.0246, 0.3702, 0.3241



76.7365, 0.3551, 0.3542



18.0070, 0.3284, 0.3274



11.1377, 0.6332, 0.3262



1.0911, 0.6176, 0.3176

Inverse Universe

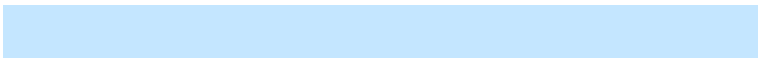
The Inverse Universe completely reimagines the original color for something new.



64.9130, 0.3575, 0.3250



59.0246, 0.3702, 0.3241



75.7799, 0.2763, 0.3024



18.0070, 0.3284, 0.3274



11.1377, 0.6332, 0.3262



1.0911, 0.6176, 0.3176

Previews

White Background



This preview shows how the Yxy color 64.9100, 0.3575, 0.3250 looks on a white background.

Color Contrast Check

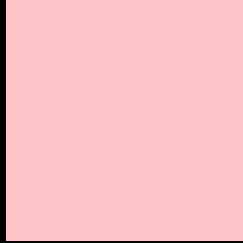
Large Text (above 18pt) WCAG AA × Fail

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 64.9100, 0.3575, 0.3250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

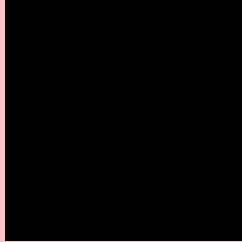
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9100, 0.3575, 0.3250

Background



This preview shows how black text looks on a background with the Yxy color 64.9100, 0.3575, 0.3250.



This preview shows how white text looks on a background with the Yxy color 64.9100, 0.3575, 0.3250.

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

64.9100, 0.3575, 0.3250

Protanopia

65.0943, 0.3178, 0.3313

Deuteranopia

65.1421, 0.3415, 0.3345



Tritanopia

64.9434, 0.3497, 0.3137

Trichromacy



Original Color

64.9100, 0.3575, 0.3250

Protanomaly

64.8934, 0.3321, 0.3291

Deuteranomaly

64.9515, 0.3476, 0.3312

Tritanomaly

64.7464, 0.3529, 0.3178

Monochromacy



Original Color

64.9100, 0.3575, 0.3250

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

65.8871, 0.3281, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9100, 0.3575, 0.3250 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 200) }
```

Border

The CSS property to change the border of an element to Yxy 64.9100, 0.3575, 0.3250 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, 200) }
```

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

```
.border{ border-color:rgb(255, 196, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9100, 0.3575, 0.3250 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, 200) }
```

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

```
.background{ background-color: rgb(255,  
196, 200) }
```

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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