

# Converting Colors

$Y_{xy}(65.9715, 0.3659, 0.3459)$

Have a look what the booklet for  
Yxy(65.9715, 0.3659, 0.3459)  
contains.

<b>Yxy(65.9715, 0.3659, 0.3459)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(65.9715, 0.3659, 0.3459)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCC9B9
RGB	252, 201, 185
RGB Percent	99%, 79%, 73%
CMY	0.0118, 0.2117, 0.2744
CMYK	0.00, 0.20, 0.27, 0.01
HSL	14°, 92%, 86%
HSV	14°, 27%, 99%
XYZ	69.7860, 65.9715, 54.9667
YIQ	214.4250, 35.5320, 5.8360

# Conversions

## Conversions Part 2

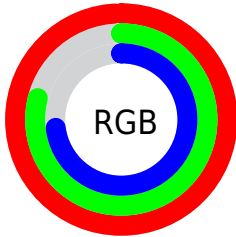
Format	Color
R <sub>Y</sub> B	252, 206, 185
Decimal	16566713
CIE Lab	84.98, 15.81, 14.86
CIE LCh	85, 21.693, 43.229
Yxy	65.9715, 0.3659, 0.3459
Android (android.graphics.Color)	4294756793 (0xFFFC9B9)
YUV	214.4250, -14.5065, 32.9533
Hunter-Lab	81.2228, 11.2257, 16.7321

# Details

The Yxy color **65.9715, 0.3659, 0.3459** is a light color, and the websafe version is hex **FFCCCC**, and the color name is **cherry blossom color (sakura-iro)**. A complement of this color would be **77.3336, 0.2721, 0.3114**, and the grayscale version is **67.6301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **34.0027, 0.3787, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **56.6102, 0.3934, 0.3526**, and if you desaturate by 10%, it is **76.6444, 0.3428, 0.3393**.

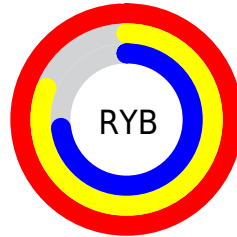
# Distribution



Red (99%)

Green (79%)

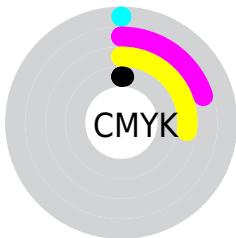
Blue (73%)



Red (99%)

Yellow (81%)

Blue (73%)

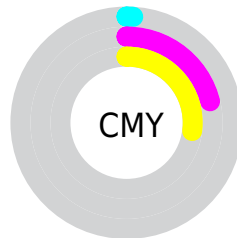


Cyan (0%)

Magenta (20%)

Yellow (27%)

Black (1%)



Cyan (1%)

Magenta (21%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9715, 0.3659, 0.3459 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 65.9715, 0.3659, 0.3459 by changing the saturation by 10% instead.





 65.9715, 0.3659,  
0.3459

 65.9715, 0.3659,  
0.3459


446.2749, 0.3406,  
0.3385

 48.2493, 0.3718,  
0.3475


 113.4454, 0.3570,  
0.3434

 34.0243, 0.3792,  
0.3494


143.9659, 0.3536,  
0.3424

 22.9123, 0.3887,  
0.3516


179.5213, 0.3506,  
0.3416

 14.5288, 0.4013,  
0.3544

220.4959, 0.3481,  
0.3408

 8.4893, 0.4188,  
0.3577

267.2742, 0.3459,  
0.3401

 4.4096, 0.4445,  
0.3616

320.2405, 0.3439,

 1.9052, 0.4866,

0.3395

0.3660

379.7793, 0.3422,  
0.3390

0.5515, 0.6231,  
0.3769

0.0000, 0.0000,  
0.0000

65.9715, 0.3659,  
0.3459

65.9715, 0.3659,  
0.3459

56.6102, 0.3934,  
0.3526

76.6444, 0.3428,  
0.3393

48.5003, 0.4257,  
0.3589

88.6678, 0.3236,  
0.3329

41.5905, 0.4623,  
0.3641

99.4325, 0.3109,  
0.3290

35.8223, 0.5021,  
0.3671

■ 31.1321, 0.5420,  
0.3669

■ 27.4495, 0.5780,  
0.3627

■ 24.6944, 0.6055,  
0.3545

■ 23.9413, 0.6130,  
0.3514

# Harmonies

## Analogous

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



65.9715, 0.3541, 0.3232



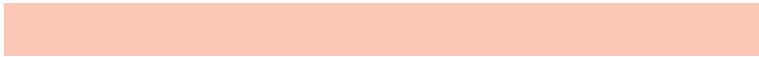
65.9715, 0.3659, 0.3459



65.9715, 0.3626, 0.3655

# Triad

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



65.9715, 0.3659, 0.3459



65.9715, 0.2935, 0.3576



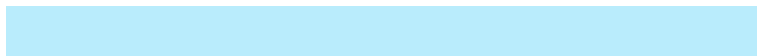
65.9715, 0.2795, 0.2842

# Complementary

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



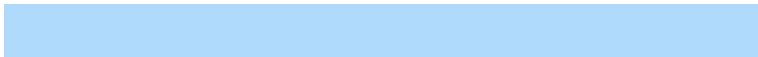
65.9715, 0.3659, 0.3459



77.3336, 0.2721, 0.3114

# 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.



65.9715, 0.2648, 0.2910



65.9715, 0.3659, 0.3459



65.9715, 0.2726, 0.3330

# Square

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



65.9715, 0.3659, 0.3459



65.9715, 0.3202, 0.3739



65.9715, 0.2623, 0.3084



65.9715, 0.3034, 0.2887



# Rectangle

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



65.9715, 0.3659, 0.3459



65.9715, 0.3525, 0.3741



65.9715, 0.2623, 0.3084



65.9715, 0.2734, 0.2852

# Sweetspot

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



65.9746, 0.3659, 0.3459



89.2440, 0.3261, 0.3338



61.4773, 0.3277, 0.2771



18.6910, 0.3288, 0.3347



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.



65.9746, 0.3659, 0.3459



62.3806, 0.3803, 0.3496



83.1148, 0.3573, 0.3790



17.8979, 0.3288, 0.3347



12.6613, 0.6103, 0.3536

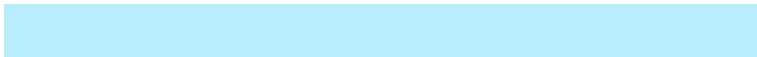


1.3292, 0.5877, 0.3716

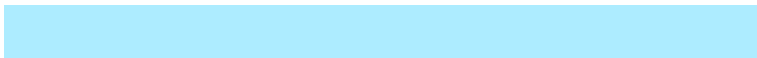


# Inverse Universe

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



77.3336, 0.2721, 0.3114



75.8634, 0.2642, 0.3073



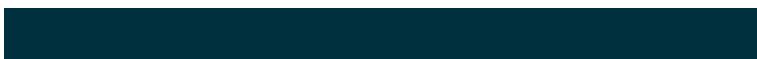
59.9995, 0.2684, 0.2734



18.8650, 0.2980, 0.3232



23.5008, 0.2027, 0.2498



2.3393, 0.2057, 0.2604



# Previews

## White Background



This preview shows how the Yxy color 65.9715, 0.3659, 0.3459 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

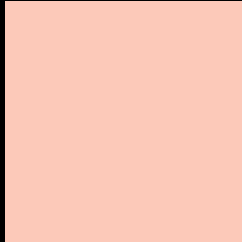
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.9715, 0.3659, 0.3459 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

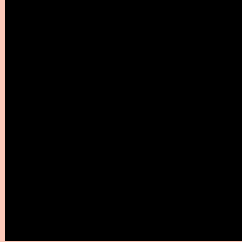
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.9715, 0.3659, 0.3459**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.9715, 0.3659, 0.3459.



This preview shows how white text looks on a background with the Yxy color 65.9715, 0.3659, 0.3459.

# 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

65.9715, 0.3659, 0.3459

### Protanopia

66.2207, 0.3343, 0.3527

### Deuteranopia

66.1780, 0.3584, 0.3517



## Tritanopia

65.9460, 0.3477, 0.3137

# Trichromacy



**Original Color**

65.9715, 0.3659, 0.3459

**Protanomaly**

65.9417, 0.3451, 0.3500

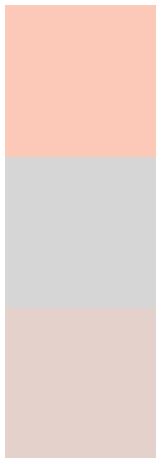
**Deuteranomaly**

66.2393, 0.3611, 0.3504

**Tritanomaly**

65.7233, 0.3547, 0.3250

# Monochromacy



**Original Color**

65.9715, 0.3659, 0.3459

**Achromatopsia**

67.2443, 0.3127, 0.3290

**Achromatomaly**

66.4067, 0.3314, 0.3357

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.9715, 0.3659, 0.3459 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(252, 201, 185)` looks like.

```
.text, #text, p{  
    color:rgb(252, 201, 185)  
}
```

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(252, 201, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 201, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9715, 0.3659, 0.3459 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(252, 201, 185) }
```

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

```
.border{ border-color:rgb(252, 201, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 201, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 201, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 201, 185);  
box-shadow:4px 4px 4px 4px rgb(252, 201,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9715, 0.3659, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 201, 185) }
```

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

```
.background{ background-color: rgb(252,  
201, 185) }
```

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