

# Converting Colors

$Yxy(67.6393, 0.3772, 0.3326)$

Have a look what the booklet for  
Yxy(67.6393, 0.3772, 0.3326)  
contains.

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# Color

**Yxy(64.5456, 0.3640, 0.3333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4C0
RGB	255, 196, 192
RGB Percent	100%, 77%, 75%
CMY	0.0001, 0.2313, 0.2470
CMYK	0.00, 0.23, 0.25, 0.00
HSL	4°, 100%, 88%
HSV	4°, 25%, 100%
XYZ	70.4908, 64.5456, 58.6197
YIQ	213.1850, 36.4480, 11.2640

# Conversions

## Conversions Part 2

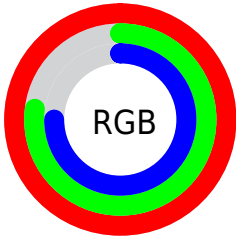
Format	Color
R <sub>Y</sub> B	255, 196, 192
Decimal	16762048
CIE Lab	84.25, 20.48, 10.14
CIE LCh	84, 22.852, 26.347
Yxy	64.5456, 0.3640, 0.3333
Android (android.graphics.Color)	4294952128 (0xFFFFC4C0)
YUV	213.1850, -10.4442, 36.6718
Hunter-Lab	80.3403, 16.0211, 12.9777

# Details

The Yxy color **64.5456, 0.3640, 0.3333** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.4125, 0.2759, 0.3247**, and the grayscale version is **66.7244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2879, 0.3169, 0.3338**, and **33.0804, 0.3763, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **53.5846, 0.3937, 0.3352**, and if you desaturate by 10%, it is **77.4228, 0.3399, 0.3315**.

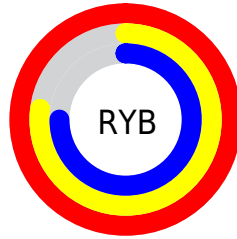
# Distribution



Red (100%)

Green (77%)

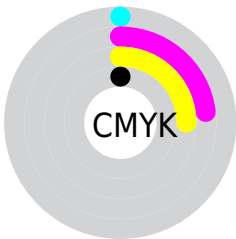
Blue (75%)



Red (100%)

Yellow (77%)

Blue (75%)

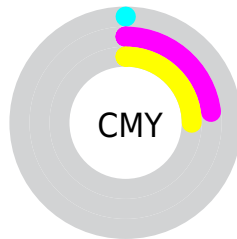


Cyan (0%)

Magenta (23%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (23%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5456, 0.3640, 0.3333 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 64.5456, 0.3640, 0.3333 by changing the saturation by 10% instead.





 64.5456, 0.3640,  
0.3333

 64.5456, 0.3640,  
0.3333


441.1573, 0.3395,  
0.3317

 47.0927, 0.3698,  
0.3335

 111.3963, 0.3554,  
0.3328

 33.1090, 0.3770,  
0.3338


141.5629, 0.3520,  
0.3326

 22.2099, 0.3863,  
0.3340


176.7363, 0.3492,  
0.3325

 14.0112, 0.3987,  
0.3341

217.3007, 0.3468,  
0.3323

 8.1285, 0.4160,  
0.3338

263.6406, 0.3446,  
0.3321

 4.1773, 0.4419,  
0.3327

316.1404, 0.3427,

 1.7732, 0.4841,

0.3320

0.3288


375.1845, 0.3410,  
0.3319


 0.4704, 0.6692,  
0.3308


 0.0000, 0.0000,  
0.0000

 64.5456, 0.3640,  
0.3333


 64.5456, 0.3640,  
0.3333

 53.5846, 0.3937,  
0.3352

 77.4228, 0.3399,  
0.3315

 44.4399, 0.4296,  
0.3369

 92.2922, 0.3205,  
0.3298

 37.0159, 0.4717,  
0.3383

99.9969, 0.3127,  
0.3290

 31.2049, 0.5179,  
0.3389

■ 26.8871, 0.5639,  
0.3384

■ 23.9257, 0.6031,  
0.3367

■ 22.1590, 0.6289,  
0.3338

■ 21.6331, 0.6368,  
0.3326

# Harmonies

## Analogous

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



64.5456, 0.3438, 0.3100



64.5456, 0.3640, 0.3333



64.5456, 0.3697, 0.3566

# Triad

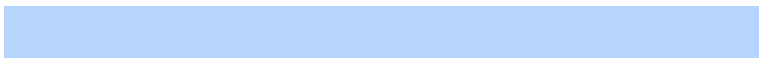
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.5456, 0.3640, 0.3333



64.5456, 0.3079, 0.3708



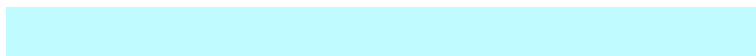
64.5456, 0.2673, 0.2841

# Complementary

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



64.5456, 0.3640, 0.3333



87.4125, 0.2759, 0.3247

# 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.



64.5456, 0.2588, 0.2977



64.5456, 0.3640, 0.3333



64.5456, 0.2815, 0.3485

# Square

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



64.5456, 0.3640, 0.3333



64.5456, 0.3364, 0.3801



64.5456, 0.2639, 0.3212



64.5456, 0.2876, 0.2823



# Rectangle

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



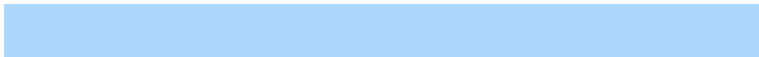
64.5456, 0.3640, 0.3333



64.5456, 0.3644, 0.3694



64.5456, 0.2639, 0.3212



64.5456, 0.2630, 0.2874

# Sweetspot

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



64.5486, 0.3640, 0.3333



88.6974, 0.3246, 0.3301



65.9801, 0.3179, 0.2702



18.7865, 0.3257, 0.3302



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.



64.5486, 0.3640, 0.3333



58.5090, 0.3790, 0.3343



79.8087, 0.3566, 0.3643



18.1720, 0.3293, 0.3306



11.3752, 0.6356, 0.3335



1.1695, 0.6255, 0.3415



# Inverse Universe

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



87.4125, 0.2759, 0.3247



85.2042, 0.2687, 0.3236



69.7977, 0.2729, 0.2910



20.2722, 0.2980, 0.3274



36.0557, 0.2192, 0.3090



3.5679, 0.2199, 0.3115



# Previews

## White Background



This preview shows how the Yxy color 64.5456, 0.3640, 0.3333 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 64.5456, 0.3640, 0.3333 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 64.5456, 0.3640, 0.3333**

## Background



This preview shows how black text looks on a background with the Yxy color 64.5456, 0.3640, 0.3333.

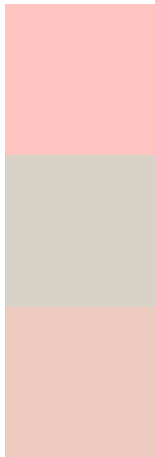


This preview shows how white text looks on a background with the Yxy color 64.5456, 0.3640, 0.3333.

# 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

64.5456, 0.3640, 0.3333

### Protanopia

64.9684, 0.3257, 0.3415

### Deuteranopia

64.6506, 0.3494, 0.3421



## Tritanopia

64.4470, 0.3506, 0.3137

# Trichromacy



**Original Color**

64.5456, 0.3640, 0.3333

**Protanomaly**

64.6371, 0.3396, 0.3390

**Deuteranomaly**

64.3032, 0.3549, 0.3388

**Tritanomaly**

64.6020, 0.3553, 0.3209

# Monochromacy



**Original Color**

64.5456, 0.3640, 0.3333

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

65.5274, 0.3302, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.5456, 0.3640, 0.3333 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, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 192)  
}
```

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, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 64.5456, 0.3640, 0.3333 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, 192) }
```

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

```
.border{ border-color:rgb(255, 196, 192) }
```

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, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 196, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 196, 192); box-shadow:4px 4px 4px 4px rgb(255, 196, 192) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.5456, 0.3640, 0.3333 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, 192) }
```

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

```
.background{ background-color: rgb(255,  
196, 192) }
```

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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