

# Converting Colors

$Y_{xy}(100.0000, 0.4826, 0.3335)$

Have a look what the booklet for  
Yxy(100.0000, 0.4826, 0.3335)  
contains.

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# Color

**Yxy(60.1368, 0.3757, 0.3355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBBB5
RGB	255, 187, 181
RGB Percent	100%, 73%, 71%
CMY	0.0001, 0.2666, 0.2903
CMYK	0.00, 0.27, 0.29, 0.00
HSL	5°, 100%, 85%
HSV	5°, 29%, 100%
XYZ	67.3425, 60.1368, 51.7660
YIQ	206.6480, 42.4540, 12.5500

# Conversions

## Conversions Part 2

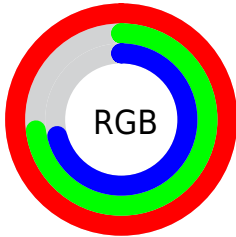
Format	Color
R <sub>Y</sub> B	255, 188, 181
Decimal	16759733
CIE Lab	81.91, 23.71, 12.72
CIE LCh	82, 26.905, 28.212
Yxy	60.1368, 0.3757, 0.3355
Android (android.graphics.Color)	4294949813 (0xFFFFBBB5)
YUV	206.6480, -12.6445, 42.4047
Hunter-Lab	77.5479, 19.3002, 14.7053

# Details

The Yxy color **60.1368, 0.3757, 0.3355** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **84.7554, 0.2699, 0.3224**, and the grayscale version is **62.2215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4756, 0.3243, 0.3349**, and **30.2039, 0.3927, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **50.0465, 0.4077, 0.3378**, and if you desaturate by 10%, it is **72.0445, 0.3495, 0.3331**.

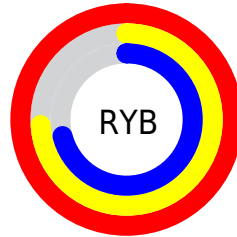
# Distribution



Red (100%)

Green (73%)

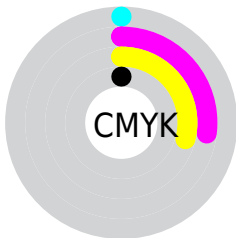
Blue (71%)



Red (100%)

Yellow (74%)

Blue (71%)

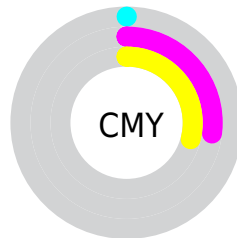


Cyan (0%)

Magenta (27%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1368, 0.3757, 0.3355 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 60.1368, 0.3757, 0.3355 by changing the saturation by 10% instead.





 60.1368, 0.3757,  
0.3355

 60.1368, 0.3757,  
0.3355


425.1018, 0.3452,  
0.3331

 43.5289, 0.3830,  
0.3359


 105.0281, 0.3649,  
0.3348

 30.3003, 0.3921,  
0.3362


134.0803, 0.3607,  
0.3345

 20.0667, 0.4040,  
0.3365


168.0493, 0.3572,  
0.3342

 12.4435, 0.4200,  
0.3366

207.3197, 0.3542,  
0.3340

 7.0465, 0.4425,  
0.3360

252.2757, 0.3515,  
0.3337

 3.4912, 0.4763,  
0.3338

303.3018, 0.3492,

 1.3932, 0.5394,

0.3335

0.3308

360.7824, 0.3471,  
0.3333

0.2117, 0.7865,  
0.2135

0.0000, 0.0000,  
0.0000

60.1368, 0.3757,  
0.3355

60.1368, 0.3757,  
0.3355

50.0465, 0.4077,  
0.3378

72.0445, 0.3495,  
0.3331

41.6762, 0.4458,  
0.3399

85.8439, 0.3283,  
0.3309

34.9325, 0.4894,  
0.3413

99.9951, 0.3127,  
0.3290

29.7092, 0.5357,  
0.3416

■ 25.8881, 0.5794,  
0.3404

■ 23.3330, 0.6138,  
0.3375

■ 21.8771, 0.6341,  
0.3338

■ 21.7838, 0.6355,  
0.3336

# Harmonies

## Analogous

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



60.1368, 0.3521, 0.3078



60.1368, 0.3757, 0.3355



60.1368, 0.3812, 0.3632

# Triad

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



60.1368, 0.3757, 0.3355



60.1368, 0.3045, 0.3786



60.1368, 0.2595, 0.2746

# Complementary

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



60.1368, 0.3757, 0.3355



84.7554, 0.2699, 0.3224

# 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.



60.1368, 0.2485, 0.2897



60.1368, 0.3757, 0.3355



60.1368, 0.2735, 0.3505

# Square

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



60.1368, 0.3757, 0.3355



60.1368, 0.3389, 0.3908



60.1368, 0.2534, 0.3172



60.1368, 0.2843, 0.2737



# Rectangle

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



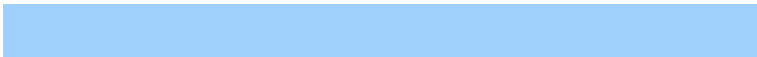
60.1368, 0.3757, 0.3355



60.1368, 0.3739, 0.3784



60.1368, 0.2534, 0.3172



60.1368, 0.2541, 0.2781

# Sweetspot

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



60.1396, 0.3757, 0.3355



85.8899, 0.3283, 0.3309



61.2020, 0.3198, 0.2609



17.9282, 0.3311, 0.3312



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.



60.1396, 0.3757, 0.3355



53.9018, 0.3941, 0.3369



77.3195, 0.3653, 0.3719



18.2249, 0.3292, 0.3310



11.4675, 0.6341, 0.3347



1.1945, 0.6216, 0.3446

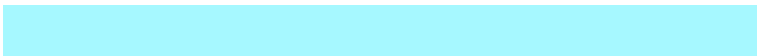


# Inverse Universe

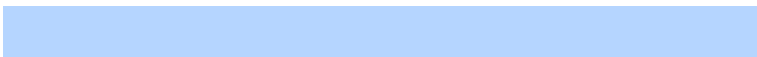
The Inverse Universe completely reimagines the original color for something new.



84.7554, 0.2699, 0.3224



82.2641, 0.2621, 0.3208



64.6529, 0.2655, 0.2818



20.2130, 0.2980, 0.3270



34.6880, 0.2176, 0.3032



3.4494, 0.2184, 0.3064



# Previews

## White Background



This preview shows how the Yxy color 60.1368, 0.3757, 0.3355 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 60.1368, 0.3757, 0.3355 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 60.1368, 0.3757, 0.3355**

## Background



This preview shows how black text looks on a background with the Yxy color 60.1368, 0.3757, 0.3355.



This preview shows how white text looks on a background with the Yxy color 60.1368, 0.3757, 0.3355.

# 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

60.1368, 0.3757, 0.3355

### Protanopia

60.2785, 0.3284, 0.3442

### Deuteranopia

60.5108, 0.3561, 0.3492



## Tritanopia

60.0814, 0.3608, 0.3146

# Trichromacy



**Original Color**

60.1368, 0.3757, 0.3355

**Protanomaly**

59.8513, 0.3447, 0.3404

**Deuteranomaly**

60.1360, 0.3630, 0.3433

**Tritanomaly**

60.1836, 0.3665, 0.3229

# Monochromacy



**Original Color**

60.1368, 0.3757, 0.3355

**Achromatopsia**

62.3960, 0.3127, 0.3290

**Achromatomaly**

61.2331, 0.3332, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.1368, 0.3757, 0.3355 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, 187, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 181)  
}
```

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, 187, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 60.1368, 0.3757, 0.3355 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, 187, 181) }
```

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

```
.border{ border-color:rgb(255, 187, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 187, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.1368, 0.3757, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 181) }
```

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

```
.background{ background-color: rgb(255,  
187, 181) }
```

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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