

# Converting Colors

$Yxy(64.6487, 0.3700, 0.3535)$

Have a look what the booklet for  
Yxy(64.6487, 0.3700, 0.3535)  
contains.

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# Color

**Yxy(64.6226, 0.3702, 0.3536)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9C8B1
RGB	249, 200, 177
RGB Percent	98%, 78%, 69%
CMY	0.0235, 0.2157, 0.3061
CMYK	0.00, 0.20, 0.29, 0.02
HSL	19°, 86%, 84%
HSV	19°, 29%, 98%
XYZ	67.6564, 64.6226, 50.4773
YIQ	212.0290, 36.5870, 3.2350

# Conversions

## Conversions Part 2

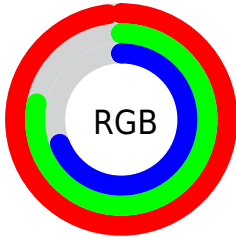
Format	Color
R <sub>Y</sub> B	249, 211, 177
Decimal	16369841
CIE Lab	84.29, 14.16, 18.12
CIE LCh	84, 22.997, 52.003
Yxy	64.6226, 0.3702, 0.3536
Android (android.graphics.Color)	4294559921 (0xFFFF9C8B1)
YUV	212.0290, -17.2693, 32.4236
Hunter-Lab	80.3882, 9.5500, 19.0424

# Details

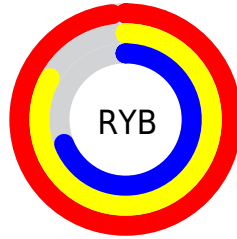
The Yxy color  $64.6226, 0.3702, 0.3536$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $70.5530, 0.2679, 0.3029$ , and the grayscale version is  $65.9577, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.6632, 0.3256, 0.3503$ , and  $33.0894, 0.3845, 0.3593$  is the 20% darker color. If you saturate the color by 10%, you get  $56.3067, 0.3971, 0.3625$ , and if you desaturate by 10%, it is  $73.9945, 0.3471, 0.3447$ .

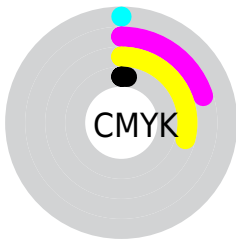
# Distribution



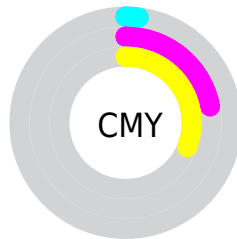
- Red (98%)
- Green (78%)
- Blue (69%)



- Red (98%)
- Yellow (83%)
- Blue (69%)



- Cyan (0%)
- Magenta (20%)
- Yellow (29%)
- Black (2%)




- Cyan (2%)
- Magenta (22%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6226, 0.3702, 0.3536 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 64.6226, 0.3702, 0.3536 by changing the saturation by 10% instead.





 64.6226, 0.3702,  
0.3536

 64.6226, 0.3702,  
0.3536

441.4345, 0.3428,  
0.3426

 47.1551, 0.3766,  
0.3560


 111.5071, 0.3605,  
0.3499

 33.1583, 0.3847,  
0.3588


141.6929, 0.3568,  
0.3484

 22.2477, 0.3950,  
0.3623


176.8870, 0.3537,  
0.3471

 14.0391, 0.4086,  
0.3667

217.4736, 0.3509,  
0.3460

 8.1478, 0.4275,  
0.3720

263.8373, 0.3485,  
0.3450

 4.1897, 0.4551,  
0.3785

316.3624, 0.3464,

 1.7802, 0.5076,

0.3441

0.3921

375.4334, 0.3445,  
0.3433

0.4748, 0.6266,  
0.3734

0.0000, 0.0000,  
0.0000

64.6226, 0.3702,  
0.3536

64.6226, 0.3702,  
0.3536

56.3067, 0.3971,  
0.3625

73.9945, 0.3471,  
0.3447

48.9999, 0.4280,  
0.3707

84.4495, 0.3276,  
0.3362

42.6646, 0.4623,  
0.3774

96.0249, 0.3111,  
0.3282

37.2573, 0.4987,  
0.3814

98.8820, 0.3090,  
0.3290

■ 32.7308, 0.5346,  
0.3815

■ 29.0331, 0.5666,  
0.3766

■ 26.1012, 0.5919,  
0.3673

■ 25.8298, 0.5944,  
0.3663

# Harmonies

## Analogous

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



64.6226, 0.3622, 0.3298



64.6226, 0.3702, 0.3536



64.6226, 0.3620, 0.3725

# Triad

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



64.6226, 0.3702, 0.3536



64.6226, 0.2848, 0.3524



64.6226, 0.2839, 0.2815

# Complementary

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



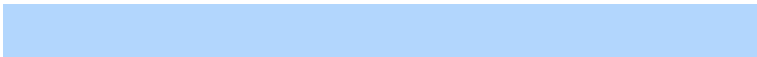
64.6226, 0.3702, 0.3536



70.5530, 0.2679, 0.3029

# 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.



64.6226, 0.2650, 0.2851



64.6226, 0.3702, 0.3536



64.6226, 0.2654, 0.3250

# Square

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



64.6226, 0.3702, 0.3536



64.6226, 0.3121, 0.3733



64.6226, 0.2584, 0.3004



64.6226, 0.3113, 0.2895



# Rectangle

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



64.6226, 0.3702, 0.3536



64.6226, 0.3487, 0.3794



64.6226, 0.2584, 0.3004



64.6226, 0.2764, 0.2814

# Sweetspot

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



64.6256, 0.3702, 0.3536



89.0518, 0.3277, 0.3362



57.0695, 0.3342, 0.2782



18.7013, 0.3304, 0.3375



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

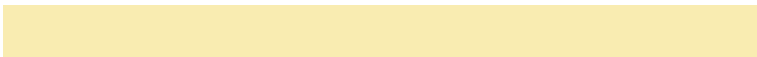
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6256, 0.3702, 0.3536



62.7220, 0.3862, 0.3591



83.1912, 0.3600, 0.3893



18.1315, 0.3286, 0.3366



14.0507, 0.5915, 0.3686



1.4840, 0.5683, 0.3870

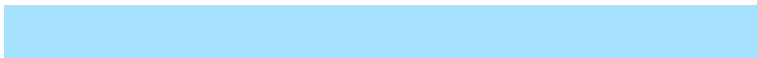


# Inverse Universe

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



70.5530, 0.2679, 0.3029



69.9368, 0.2588, 0.2965



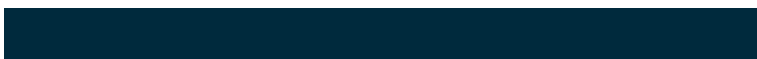
53.0800, 0.2633, 0.2605



18.6173, 0.2980, 0.3212



19.1866, 0.1947, 0.2208



1.9683, 0.1987, 0.2353



# Previews

## White Background



This preview shows how the Yxy color 64.6226, 0.3702, 0.3536 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

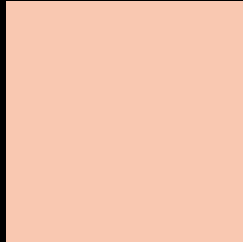
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.6226, 0.3702, 0.3536 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

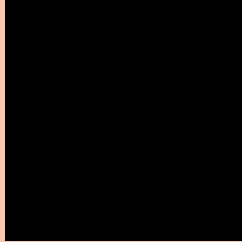
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.6226, 0.3702, 0.3536**

## Background



This preview shows how black text looks on a background with the Yxy color 64.6226, 0.3702, 0.3536.



This preview shows how white text looks on a background with the Yxy color 64.6226, 0.3702, 0.3536.

# 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

64.6226, 0.3702, 0.3536

### Protanopia

64.8427, 0.3412, 0.3609

### Deuteranopia

64.9011, 0.3652, 0.3582



## Tritanopia

64.5660, 0.3480, 0.3136

# Trichromacy



**Original Color**

64.6226, 0.3702, 0.3536

**Protanomaly**

64.4268, 0.3515, 0.3580

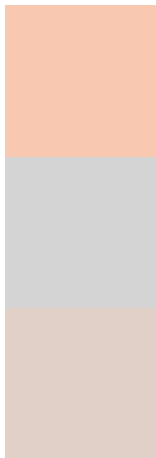
**Deuteranomaly**

64.7881, 0.3671, 0.3570

**Tritanomaly**

64.7052, 0.3565, 0.3281

# Monochromacy



**Original Color**

64.6226, 0.3702, 0.3536

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

65.2428, 0.3322, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6226, 0.3702, 0.3536 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(249, 200, 177)` looks like.

```
.text, #text, p{  
    color:rgb(249, 200, 177)  
}
```

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(249, 200, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 200, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6226, 0.3702, 0.3536 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(249, 200, 177) }
```

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

```
.border{ border-color:rgb(249, 200, 177) }
```

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

Here you see how a box with a 4 pixel rgb(249, 200, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 200, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 200, 177);  
box-shadow:4px 4px 4px 4px rgb(249, 200,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6226, 0.3702, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 200, 177) }
```

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

```
.background{ background-color: rgb(249,  
200, 177) }
```

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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