

# Converting Colors

$Yxy(68.6965, 0.3537, 0.3480)$

Have a look what the booklet for  
Yxy(68.6965, 0.3537, 0.3480)  
contains.

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# Color

**Yxy(68.7750, 0.3537, 0.3482)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5D1BF
RGB	245, 209, 191
RGB Percent	96%, 82%, 75%
CMY	0.0392, 0.1804, 0.2510
CMYK	0.00, 0.15, 0.22, 0.04
HSL	20°, 73%, 85%
HSV	20°, 22%, 96%
XYZ	69.8613, 68.7750, 58.8795
YIQ	217.7120, 27.2340, 2.0340

# Conversions

## Conversions Part 2

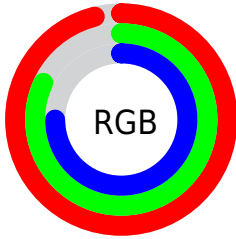
Format	Color
R <sub>Y</sub> B	245, 218, 191
Decimal	16110015
CIE Lab	86.39, 9.89, 13.60
CIE LCh	86, 16.813, 53.976
Yxy	68.7750, 0.3537, 0.3482
Android (android.graphics.Color)	4294300095 (0xFFFF5D1BF)
YUV	217.7120, -13.1690, 23.9316
Hunter-Lab	82.9307, 5.2408, 15.9565

# Details

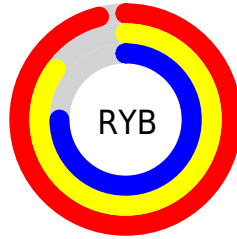
The Yxy color **68.7750, 0.3537, 0.3482** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.6046, 0.2785, 0.3090**, and the grayscale version is **69.9826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4954, 0.3173, 0.3367**, and **35.9690, 0.3630, 0.3525** is the 20% darker color. If you saturate the color by 10%, you get **60.1807, 0.3777, 0.3575**, and if you desaturate by 10%, it is **78.3774, 0.3332, 0.3392**.

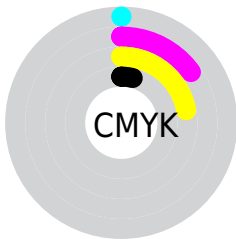
# Distribution



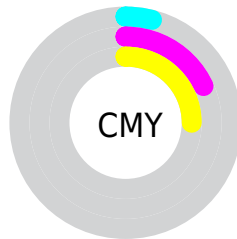
- Red (96%)
- Green (82%)
- Blue (75%)



- Red (96%)
- Yellow (85%)
- Blue (75%)



- Cyan (0%)
- Magenta (15%)
- Yellow (22%)
- Black (4%)




- Cyan (4%)
- Magenta (18%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7750, 0.3537, 0.3482 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 68.7750, 0.3537, 0.3482 by changing the saturation by 10% instead.




 68.7750, 0.3537,  
0.3482

 68.7750, 0.3537,  
0.3482


456.2370, 0.3344,  
0.3395

 50.5285, 0.3582,  
0.3501


 117.4602, 0.3469,  
0.3452

 35.8335, 0.3638,  
0.3525


148.6676, 0.3443,  
0.3441

 24.3056, 0.3709,  
0.3554


184.9641, 0.3421,  
0.3431

 15.5605, 0.3803,  
0.3590

226.7341, 0.3401,  
0.3422

 9.2137, 0.3933,  
0.3639

274.3620, 0.3384,  
0.3414

 4.8808, 0.4123,  
0.3703

328.2322, 0.3369,

 2.1775, 0.4423,

0.3407

0.3790

388.7291, 0.3356,  
0.3401

0.7077, 0.5642,  
0.4358

0.0000, 0.0000,  
0.0000

68.7750, 0.3537,  
0.3482

68.7750, 0.3537,  
0.3482

60.1807, 0.3777,  
0.3575

78.3774, 0.3332,  
0.3392

52.5516, 0.4055,  
0.3666

89.0105, 0.3159,  
0.3307

45.8552, 0.4371,  
0.3748

98.1534, 0.3066,  
0.3290

40.0537, 0.4716,  
0.3812

■ 35.1062, 0.5075,  
0.3844

■ 30.9683, 0.5419,  
0.3832

■ 27.5905, 0.5717,  
0.3770

■ 25.4023, 0.5907,  
0.3691

# Harmonies

## Analogous

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



68.7750, 0.3487, 0.3311



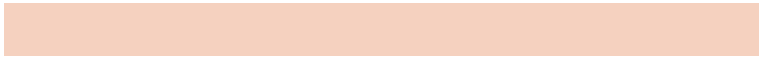
68.7750, 0.3537, 0.3482



68.7750, 0.3473, 0.3610

# Triad

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



68.7750, 0.3537, 0.3482



68.7750, 0.2916, 0.3445



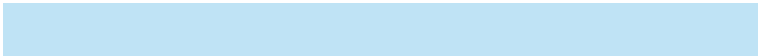
68.7750, 0.2933, 0.2947

# Complementary

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



68.7750, 0.3537, 0.3482



72.6046, 0.2785, 0.3090

# 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.



68.7750, 0.2789, 0.2970



68.7750, 0.3537, 0.3482



68.7750, 0.2779, 0.3252

# Square

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



68.7750, 0.3537, 0.3482



68.7750, 0.3111, 0.3596



68.7750, 0.2734, 0.3079



68.7750, 0.3133, 0.3009



# Rectangle

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



68.7750, 0.3537, 0.3482



68.7750, 0.3376, 0.3652



68.7750, 0.2734, 0.3079



68.7750, 0.2876, 0.2944

# Sweetspot

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



68.7781, 0.3537, 0.3482



91.5455, 0.3242, 0.3348



62.2192, 0.3288, 0.2916



19.4442, 0.3252, 0.3353



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.



68.7781, 0.3537, 0.3482



71.4140, 0.3629, 0.3519



83.1679, 0.3479, 0.3755



17.3853, 0.3285, 0.3370



13.9109, 0.5878, 0.3715



1.4040, 0.5636, 0.3907

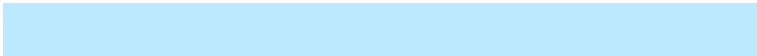


# Inverse Universe

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



72.6046, 0.2785, 0.3090



76.2175, 0.2723, 0.3048



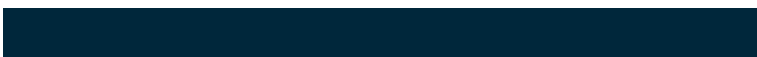
58.9759, 0.2761, 0.2778



17.7724, 0.2980, 0.3209



17.9867, 0.1934, 0.2161

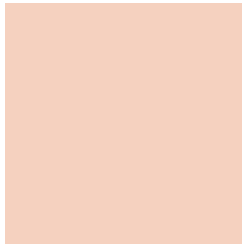


1.7693, 0.1978, 0.2319



# Previews

## White Background



This preview shows how the Yxy color 68.7750, 0.3537, 0.3482 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

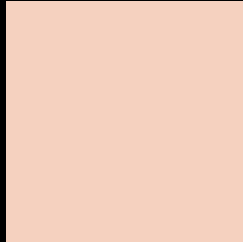
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.7750, 0.3537, 0.3482 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

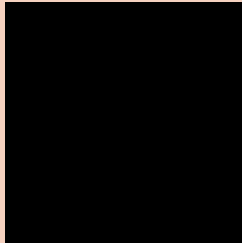
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.7750, 0.3537, 0.3482**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.7750, 0.3537, 0.3482.

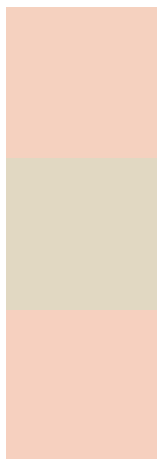


This preview shows how white text looks on a background with the Yxy color 68.7750, 0.3537, 0.3482.

# 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

68.7750, 0.3537, 0.3482

### Protanopia

69.0143, 0.3346, 0.3534

### Deuteranopia

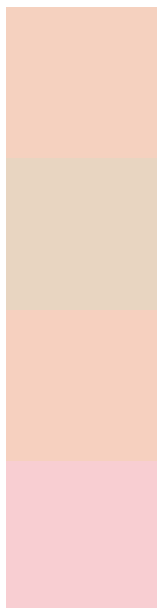
68.4662, 0.3547, 0.3471



## Tritanopia

69.0228, 0.3349, 0.3126

# Trichromacy



## Original Color

68.7750, 0.3537, 0.3482

## Protanomaly

68.5946, 0.3412, 0.3509

## Deuteranomaly

68.4662, 0.3547, 0.3471

## Tritanomaly

68.7522, 0.3422, 0.3249

# Monochromacy



## Original Color

68.7750, 0.3537, 0.3482

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

69.6489, 0.3271, 0.3367

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.7750, 0.3537, 0.3482 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(245, 209, 191)` looks like.

```
.text, #text, p{  
    color:rgb(245, 209, 191)  
}
```

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(245, 209, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 209, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 68.7750, 0.3537, 0.3482 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(245, 209, 191) }
```

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

```
.border{ border-color:rgb(245, 209, 191) }
```

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

Here you see how a box with a 4 pixel rgb(245, 209, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 209, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 209, 191);  
box-shadow:4px 4px 4px 4px rgb(245, 209,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.7750, 0.3537, 0.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 209, 191) }
```

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

```
.background{ background-color: rgb(245,  
209, 191) }
```

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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