

# Converting Colors

$Y_{xy}(65.3711, 0.3529, 0.3470)$

Have a look what the booklet for  
Yxy(65.3711, 0.3529, 0.3470)  
contains.

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# Color

**Yxy(65.3418, 0.3531, 0.3464)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0CCBC
RGB	240, 204, 188
RGB Percent	94%, 80%, 74%
CMY	0.0588, 0.2000, 0.2627
CMYK	0.00, 0.15, 0.22, 0.06
HSL	18°, 63%, 84%
HSV	18°, 22%, 94%
XYZ	66.6056, 65.3418, 56.6836
YIQ	212.9400, 26.5920, 2.6560

# Conversions

## Conversions Part 2

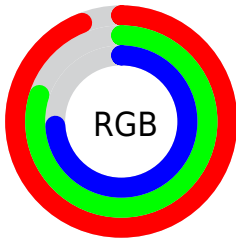
Format	Color
R <sub>Y</sub> B	240, 211, 188
Decimal	15781052
CIE Lab	84.66, 10.24, 12.66
CIE LCh	85, 16.281, 51.045
Yxy	65.3418, 0.3531, 0.3464
Android (android.graphics.Color)	4293971132 (0xFFF0CCBC)
YUV	212.9400, -12.2954, 23.7316
Hunter-Lab	80.8343, 5.6200, 15.0079

# Details

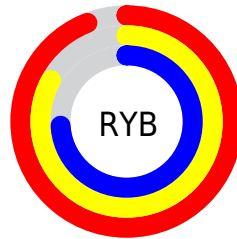
The Yxy color **65.3418, 0.3531, 0.3464** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **70.2976, 0.2792, 0.3109**, and the grayscale version is **66.5698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **33.6292, 0.3625, 0.3502** is the 20% darker color. If you saturate the color by 10%, you get **56.9120, 0.3773, 0.3550**, and if you desaturate by 10%, it is **74.7924, 0.3326, 0.3381**.

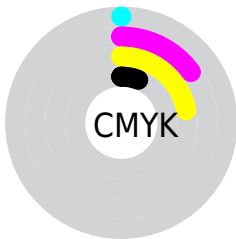
# Distribution



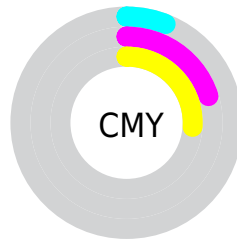
- Red (94%)
- Green (80%)
- Blue (74%)



- Red (94%)
- Yellow (83%)
- Blue (74%)



- Cyan (0%)
- Magenta (15%)
- Yellow (22%)
- Black (6%)




- Cyan (6%)
- Magenta (20%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3418, 0.3531, 0.3464 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 65.3418, 0.3531, 0.3464 by changing the saturation by 10% instead.





 65.3418, 0.3531,  
0.3464

 65.3418, 0.3531,  
0.3464


444.0192, 0.3339,  
0.3385

 47.7383, 0.3576,  
0.3482


 112.5411, 0.3463,  
0.3437

 33.6197, 0.3632,  
0.3503


142.9057, 0.3437,  
0.3426

 22.6016, 0.3705,  
0.3530


178.2928, 0.3415,  
0.3417

 14.2996, 0.3801,  
0.3564

219.0867, 0.3396,  
0.3409

 8.3293, 0.3935,  
0.3609

265.6720, 0.3379,  
0.3402

 4.3064, 0.4134,  
0.3668

318.4329, 0.3364,

 1.8464, 0.4459,

0.3396

0.3750

377.7538, 0.3351,  
0.3390

0.5158, 0.5893,  
0.4107

0.0000, 0.0000,  
0.0000

65.3418, 0.3531,  
0.3464

65.3418, 0.3531,  
0.3464

56.9120, 0.3773,  
0.3550

74.7924, 0.3326,  
0.3381

49.4592, 0.4055,  
0.3634

85.2879, 0.3153,  
0.3302

42.9495, 0.4377,  
0.3710

96.5360, 0.3036,  
0.3279

37.3436, 0.4732,  
0.3768

97.2652, 0.3035,  
0.3290

■ 32.5992, 0.5102,  
0.3797

■ 28.6700, 0.5459,  
0.3783

■ 25.5048, 0.5767,  
0.3722

■ 23.4012, 0.5971,  
0.3641

# Harmonies

## Analogous

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



65.3418, 0.3471, 0.3293



65.3418, 0.3531, 0.3464



65.3418, 0.3479, 0.3596

# Triad

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



65.3418, 0.3531, 0.3464



65.3418, 0.2936, 0.3460



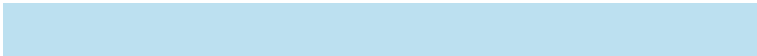
65.3418, 0.2919, 0.2950

# Complementary

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



65.3418, 0.3531, 0.3464



70.2976, 0.2792, 0.3109

# 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.



65.3418, 0.2784, 0.2981



65.3418, 0.3531, 0.3464



65.3418, 0.2794, 0.3272

# Square

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



65.3418, 0.3531, 0.3464



65.3418, 0.3132, 0.3601



65.3418, 0.2739, 0.3096



65.3418, 0.3112, 0.3004



# Rectangle

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



65.3418, 0.3531, 0.3464



65.3418, 0.3388, 0.3643



65.3418, 0.2739, 0.3096



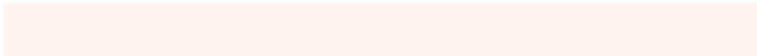
65.3418, 0.2865, 0.2951

# Sweetspot

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



65.3448, 0.3531, 0.3464



92.4802, 0.3225, 0.3336



59.8997, 0.3271, 0.2906



19.6251, 0.3236, 0.3341



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.



65.3448, 0.3531, 0.3464



70.5701, 0.3633, 0.3502



78.5286, 0.3476, 0.3729



16.5520, 0.3286, 0.3363



13.0168, 0.5942, 0.3664



1.2526, 0.5685, 0.3868



# Inverse Universe

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



70.2976, 0.2792, 0.3109



77.1895, 0.2724, 0.3067



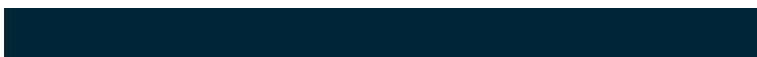
57.5589, 0.2770, 0.2810



17.0604, 0.2981, 0.3216



18.6520, 0.1960, 0.2254



1.7271, 0.2002, 0.2407



# Previews

## White Background



This preview shows how the Yxy color 65.3418, 0.3531, 0.3464 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

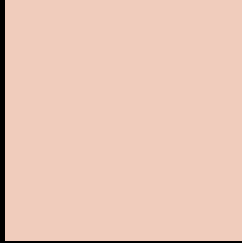
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.3418, 0.3531, 0.3464 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

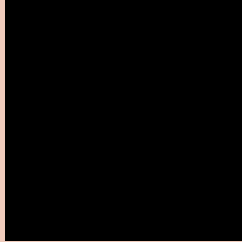
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.3418, 0.3531, 0.3464**

## Background



This preview shows how black text looks on a background with the Yxy color 65.3418, 0.3531, 0.3464.



This preview shows how white text looks on a background with the Yxy color 65.3418, 0.3531, 0.3464.

# 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

65.3418, 0.3531, 0.3464

### Protanopia

65.6099, 0.3330, 0.3505

### Deuteranopia

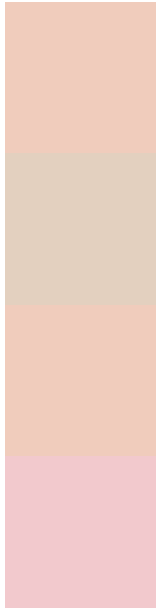
65.3418, 0.3531, 0.3464



## Tritanopia

65.2695, 0.3354, 0.3133

# Trichromacy



## Original Color

65.3418, 0.3531, 0.3464

## Protanomaly

65.2042, 0.3397, 0.3480

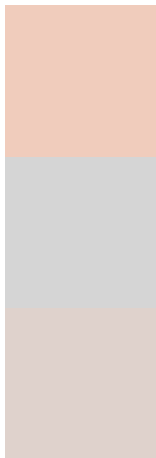
## Deuteranomaly

65.3418, 0.3531, 0.3464

## Tritanomaly

65.0583, 0.3421, 0.3248

# Monochromacy



## Original Color

65.3418, 0.3531, 0.3464

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.1408, 0.3268, 0.3357

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3418, 0.3531, 0.3464 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(240, 204, 188)` looks like.

```
.text, #text, p{  
    color:rgb(240, 204, 188)  
}
```

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(240, 204, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 204, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3418, 0.3531, 0.3464 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(240, 204, 188) }
```

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

```
.border{ border-color:rgb(240, 204, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 204, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 204, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 204, 188); box-shadow:4px 4px 4px 4px rgb(240, 204, 188) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3418, 0.3531, 0.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 204, 188) }
```

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

```
.background{ background-color: rgb(240,  
204, 188) }
```

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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