

# Converting Colors

$Yxy(65.5688, 0.3553, 0.3586)$

Have a look what the booklet for  
Yxy(65.5688, 0.3553, 0.3586)  
contains.

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# Color

**Yxy(65.7538, 0.3553, 0.3587)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECCFB4
RGB	236, 207, 180
RGB Percent	93%, 81%, 71%
CMY	0.0747, 0.1881, 0.2942
CMYK	0.00, 0.12, 0.24, 0.07
HSL	29°, 60%, 82%
HSV	29°, 24%, 93%
XYZ	65.1305, 65.7538, 52.4271
YIQ	212.5930, 25.9510, -2.2490

# Conversions

## Conversions Part 2

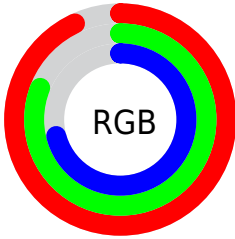
Format	Color
R <sub>Y</sub> B	236, 232, 180
Decimal	15519668
CIE Lab	84.87, 6.02, 17.16
CIE LCh	85, 18.184, 70.656
Yxy	65.7538, 0.3553, 0.3587
Android (android.graphics.Color)	4293709748 (0xFFECCFB4)
YUV	212.5930, -16.0683, 20.5279
Hunter-Lab	81.0887, 1.4661, 18.4288

# Details

The Yxy color **65.7538, 0.3553, 0.3587** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **61.3127, 0.2751, 0.2973**, and the grayscale version is **66.3479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **34.0181, 0.3664, 0.3661** is the 20% darker color. If you saturate the color by 10%, you get **59.1915, 0.3775, 0.3719**, and if you desaturate by 10%, it is **72.9423, 0.3357, 0.3458**.

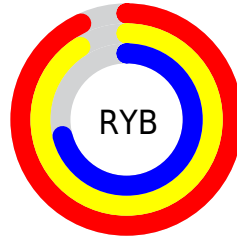
# Distribution



Red (93%)

Green (81%)

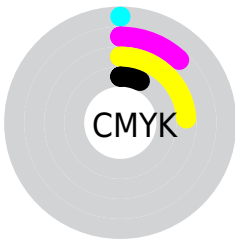
Blue (71%)



Red (93%)

Yellow (91%)

Blue (71%)

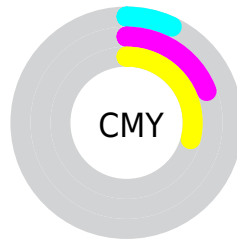


Cyan (0%)

Magenta (12%)

Yellow (24%)

Black (7%)



Cyan (7%)

Magenta (19%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7538, 0.3553, 0.3587 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 65.7538, 0.3553, 0.3587 by changing the saturation by 10% instead.




 65.7538, 0.3553,  
0.3587

 65.7538, 0.3553,  
0.3587


445.4959, 0.3351,  
0.3450

 48.0726, 0.3600,  
0.3618


 113.1329, 0.3482,  
0.3540

 33.8844, 0.3659,  
0.3656

143.5996, 0.3455,  
0.3521

 22.8048, 0.3734,  
0.3705


179.0968, 0.3432,  
0.3505

 14.4494, 0.3832,  
0.3767

220.0091, 0.3411,  
0.3491

 8.4339, 0.3969,  
0.3850

266.7207, 0.3394,  
0.3479

 4.3738, 0.4167,  
0.3964

319.6161, 0.3378,

 1.8848, 0.4523,

0.3468

0.4167

379.0797, 0.3364,  
0.3458

0.5392, 0.5502,  
0.4498

0.0000, 0.0000,  
0.0000

65.7538, 0.3553,  
0.3587

65.7538, 0.3553,  
0.3587

59.1915, 0.3775,  
0.3719

72.9423, 0.3357,  
0.3458

53.2280, 0.4023,  
0.3848

80.7656, 0.3185,  
0.3334

47.8465, 0.4293,  
0.3965

89.2436, 0.3036,  
0.3218

43.0261, 0.4576,  
0.4059

96.5655, 0.3011,  
0.3290

■ 38.7441, 0.4860,  
0.4117

■ 34.9758, 0.5126,  
0.4127

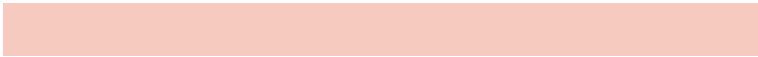
■ 31.6927, 0.5355,  
0.4082

■ 29.8591, 0.5480,  
0.4031

# Harmonies

## Analogous

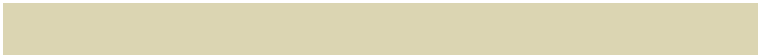
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.7538, 0.3569, 0.3419



65.7538, 0.3553, 0.3587



65.7538, 0.3420, 0.3683

# Triad

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



65.7538, 0.3553, 0.3587



65.7538, 0.2802, 0.3343



65.7538, 0.3031, 0.2942

# Complementary

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



65.7538, 0.3553, 0.3587



61.3127, 0.2751, 0.2973

# 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.



65.7538, 0.2833, 0.2913



65.7538, 0.3553, 0.3587



65.7538, 0.2705, 0.3135

# Square

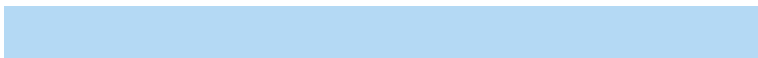
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.7538, 0.3553, 0.3587



65.7538, 0.2985, 0.3544



65.7538, 0.2717, 0.2980



65.7538, 0.3261, 0.3055



# Rectangle

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



65.7538, 0.3553, 0.3587



65.7538, 0.3286, 0.3688



65.7538, 0.2717, 0.2980



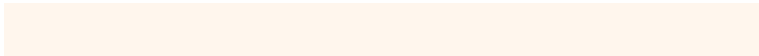
65.7538, 0.2959, 0.2922

# Sweetspot

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



65.7568, 0.3553, 0.3587



93.1571, 0.3239, 0.3374



55.1045, 0.3364, 0.2966



19.8170, 0.3249, 0.3382



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.



65.7568, 0.3553, 0.3587



74.8959, 0.3647, 0.3645



80.0173, 0.3490, 0.3864



16.2551, 0.3281, 0.3404



16.7224, 0.5454, 0.4051



1.5050, 0.5234, 0.4226

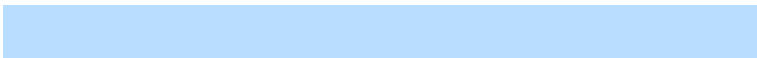


# Inverse Universe

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



61.3127, 0.2751, 0.2973



68.8130, 0.2679, 0.2906



49.1470, 0.2724, 0.2643



15.8368, 0.2981, 0.3173



11.2694, 0.1788, 0.1637



1.0775, 0.1856, 0.1881



# Previews

## White Background



This preview shows how the Yxy color 65.7538, 0.3553, 0.3587 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 65.7538, 0.3553, 0.3587 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

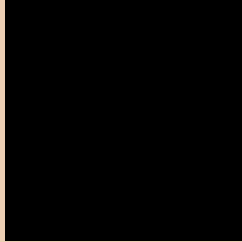
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.7538, 0.3553, 0.3587**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7538, 0.3553, 0.3587.



This preview shows how white text looks on a background with the Yxy color 65.7538, 0.3553, 0.3587.

# 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

65.7538, 0.3553, 0.3587

### Protanopia

65.6539, 0.3426, 0.3618

### Deuteranopia

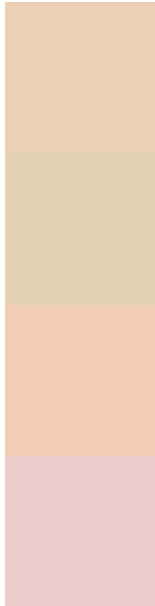
65.7550, 0.3618, 0.3538



## Tritanopia

65.7761, 0.3313, 0.3132

# Trichromacy



## Original Color

65.7538, 0.3553, 0.3587

## Protanomaly

65.9234, 0.3475, 0.3614

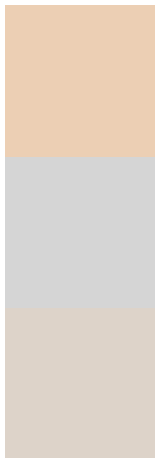
## Deuteranomaly

65.6996, 0.3591, 0.3551

## Tritanomaly

65.8961, 0.3400, 0.3291

# Monochromacy



## Original Color

65.7538, 0.3553, 0.3587

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.1777, 0.3273, 0.3402

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7538, 0.3553, 0.3587 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(236, 207, 180)` looks like.

```
.text, #text, p{  
    color:rgb(236, 207, 180)  
}
```

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(236, 207, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 207, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7538, 0.3553, 0.3587 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(236, 207, 180) }
```

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

```
.border{ border-color:rgb(236, 207, 180) }
```

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

Here you see how a box with a 4 pixel rgb(236, 207, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 207, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 207, 180);  
box-shadow:4px 4px 4px 4px rgb(236, 207,  
180) }
```



# Background

The CSS property to change the background color of an element to `rgb(65.7538, 0.3553, 0.3587)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 207, 180) }
```

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

```
.background{ background-color: rgb(236,  
207, 180) }
```

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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