

# Converting Colors

$Yxy(60.6704, 0.3645, 0.3568)$

Have a look what the booklet for  
Yxy(60.6704, 0.3645, 0.3568)  
contains.

<b>Yxy(60.7439, 0.3642, 0.3568)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(60.7439, 0.3642, 0.3568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECC5AC
RGB	236, 197, 172
RGB Percent	93%, 77%, 67%
CMY	0.0746, 0.2274, 0.3254
CMYK	0.00, 0.17, 0.27, 0.07
HSL	23°, 63%, 80%
HSV	23°, 27%, 93%
XYZ	62.0037, 60.7439, 47.4987
YIQ	205.8110, 31.2690, 0.4930

# Conversions

## Conversions Part 2

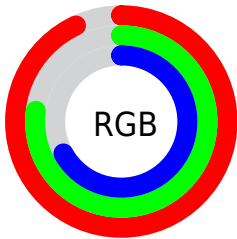
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 213, 172
Decimal	15517100
CIE Lab	82.24, 10.19, 17.70
CIE LCh	82, 20.421, 60.071
Yxy	60.7439, 0.3642, 0.3568
Android (android.graphics.Color)	4293707180 (0xFFECC5AC)
YUV	205.8110, -16.6688, 26.4758
Hunter-Lab	77.9384, 5.6132, 18.4232

# Details

The Yxy color  $60.7439, 0.3642, 0.3568$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $61.4208, 0.2703, 0.2994$ , and the grayscale version is  $61.6899, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.6897, 0.3293, 0.3552$ , and  $30.5847, 0.3769, 0.3624$  is the 20% darker color. If you saturate the color by 10%, you get  $53.6956, 0.3890, 0.3676$ , and if you desaturate by 10%, it is  $68.5819, 0.3427, 0.3461$ .

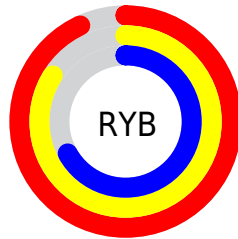
# Distribution



Red (93%)

Green (77%)

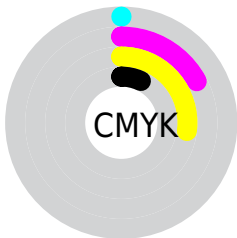
Blue (67%)



Red (93%)

Yellow (84%)

Blue (67%)

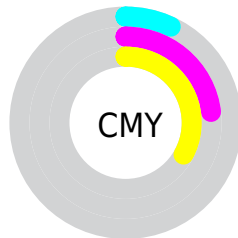


Cyan (0%)

Magenta (17%)

Yellow (27%)

Black (7%)



Cyan (7%)

Magenta (23%)


Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.7439, 0.3642, 0.3568 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 60.7439, 0.3642, 0.3568 by changing the saturation by 10% instead.





 60.7439, 0.3642,  
0.3568

 60.7439, 0.3642,  
0.3568


427.3344, 0.3394,  
0.3440

 44.0185, 0.3701,  
0.3597


 105.9080, 0.3554,  
0.3524

 30.6851, 0.3775,  
0.3632


135.1156, 0.3521,  
0.3507

 20.3592, 0.3870,  
0.3676


169.2526, 0.3492,  
0.3492

 12.6564, 0.3997,  
0.3732

208.7036, 0.3467,  
0.3479

 7.1924, 0.4174,  
0.3805

253.8528, 0.3445,  
0.3467

 3.5827, 0.4437,  
0.3900

305.0848, 0.3426,

 1.4430, 0.5094,

0.3457

0.4211

362.7838, 0.3409,  
0.3448

0.2481, 0.6614,  
0.3386

0.0000, 0.0000,  
0.0000

60.7439, 0.3642,  
0.3568

60.7439, 0.3642,  
0.3568

53.6956, 0.3890,  
0.3676

68.5819, 0.3427,  
0.3461

47.4029, 0.4171,  
0.3778

77.2258, 0.3242,  
0.3359

41.8410, 0.4480,  
0.3866

86.7018, 0.3084,  
0.3263

36.9806, 0.4808,  
0.3929

96.2747, 0.3011,  
0.3285

■ 32.7900, 0.5135,  
0.3952

■ 96.5709, 0.3011,  
0.3290

■ 29.2342, 0.5435,  
0.3925

■ 26.2731, 0.5684,  
0.3845

■ 25.5149, 0.5749,  
0.3817

# Harmonies

## Analogous

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



60.7439, 0.3609, 0.3358



60.7439, 0.3642, 0.3568



60.7439, 0.3532, 0.3716

# Triad

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



60.7439, 0.3642, 0.3568



60.7439, 0.2817, 0.3438



60.7439, 0.2928, 0.2867

# Complementary

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



60.7439, 0.3642, 0.3568



61.4208, 0.2703, 0.2994

# 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.



60.7439, 0.2730, 0.2871



60.7439, 0.3642, 0.3568



60.7439, 0.2668, 0.3190

# Square

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



60.7439, 0.3642, 0.3568



60.7439, 0.3052, 0.3649



60.7439, 0.2637, 0.2985



60.7439, 0.3187, 0.2966



# Rectangle

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



60.7439, 0.3642, 0.3568



60.7439, 0.3394, 0.3755



60.7439, 0.2637, 0.2985



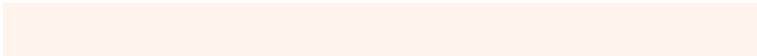
60.7439, 0.2852, 0.2857

# Sweetspot

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



60.7467, 0.3642, 0.3568



91.0778, 0.3258, 0.3368



52.0726, 0.3361, 0.2861



19.1506, 0.3285, 0.3383



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.



60.7467, 0.3642, 0.3568



67.2458, 0.3788, 0.3633



76.5874, 0.3556, 0.3895



16.0190, 0.3283, 0.3383



14.2999, 0.5720, 0.3840



1.3051, 0.5464, 0.4043

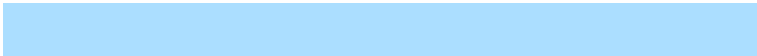


# Inverse Universe

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



61.4208, 0.2703, 0.2994



68.1744, 0.2609, 0.2917



47.2653, 0.2664, 0.2603



16.0769, 0.2981, 0.3196



14.5629, 0.1878, 0.1959



1.3297, 0.1934, 0.2163



# Previews

## White Background



This preview shows how the Yxy color 60.7439, 0.3642, 0.3568 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

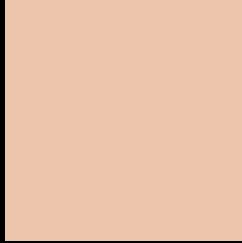
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.7439, 0.3642, 0.3568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

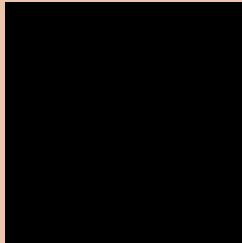
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.7439, 0.3642, 0.3568**

## Background



This preview shows how black text looks on a background with the Yxy color 60.7439, 0.3642, 0.3568.



This preview shows how white text looks on a background with the Yxy color 60.7439, 0.3642, 0.3568.

# 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**

60.7439, 0.3642, 0.3568

**Protanopia**

60.7674, 0.3420, 0.3617

**Deuteranopia**

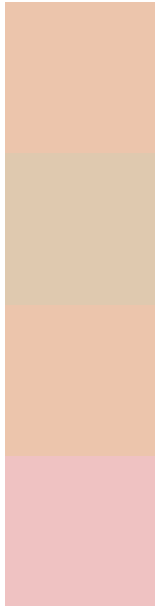
60.7439, 0.3642, 0.3568



## Tritanopia

60.7295, 0.3404, 0.3130

# Trichromacy



**Original Color**

60.7439, 0.3642, 0.3568

**Protanomaly**

60.5564, 0.3500, 0.3589

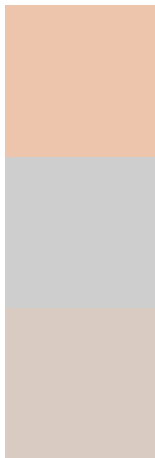
**Deuteranomaly**

60.7439, 0.3642, 0.3568

**Tritanomaly**

60.8293, 0.3497, 0.3291

# Monochromacy



**Original Color**

60.7439, 0.3642, 0.3568

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

61.3586, 0.3302, 0.3394

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.7439, 0.3642, 0.3568 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, 197, 172)` looks like.

```
.text, #text, p{  
    color:rgb(236, 197, 172)  
}
```

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, 197, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 197, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 60.7439, 0.3642, 0.3568 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, 197, 172) }
```

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

```
.border{ border-color:rgb(236, 197, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 197, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 197, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 197, 172);  
box-shadow:4px 4px 4px 4px rgb(236, 197,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.7439, 0.3642, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 197, 172) }
```

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

```
.background{ background-color: rgb(236,  
197, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor