

# Converting Colors

$Y_{xy}(60.9272, 0.3604, 0.3523)$

Have a look what the booklet for  
Yxy(60.9272, 0.3604, 0.3523)  
contains.

<b>Yxy(60.9000, 0.3610, 0.3524)</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(60.9000, 0.3610, 0.3524)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECC5B0
RGB	236, 197, 176
RGB Percent	93%, 77%, 69%
CMY	0.0746, 0.2274, 0.3099
CMYK	0.00, 0.17, 0.25, 0.07
HSL	21°, 61%, 81%
HSV	21°, 25%, 93%
XYZ	62.3862, 60.9000, 49.5288
YIQ	206.2670, 29.9850, 1.7370

# Conversions

## Conversions Part 2

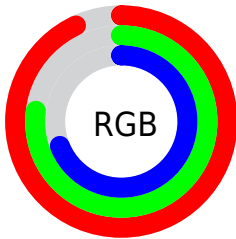
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 208, 176
Decimal	15517104
CIE Lab	82.32, 10.72, 15.71
CIE LCh	82, 19.018, 55.705
Yxy	60.9000, 0.3610, 0.3524
Android (android.graphics.Color)	4293707184 (0xFFECC5B0)
YUV	206.2670, -14.9216, 26.0758
Hunter-Lab	78.0385, 6.1308, 16.9972

# Details

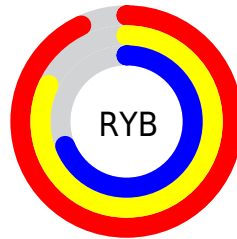
The Yxy color **60.9000, 0.3610, 0.3524** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **63.8487, 0.2732, 0.3043**, and the grayscale version is **61.9837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9698, 0.3263, 0.3503**, and **30.6587, 0.3736, 0.3581** is the 20% darker color. If you saturate the color by 10%, you get **53.4395, 0.3859, 0.3621**, and if you desaturate by 10%, it is **69.2357, 0.3396, 0.3428**.

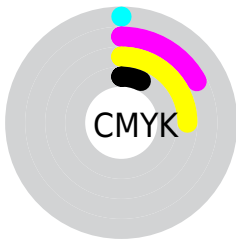
# Distribution



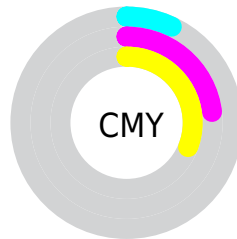
- Red (93%)
- Green (77%)
- Blue (69%)



- Red (93%)
- Yellow (82%)
- Blue (69%)



- Cyan (0%)
- Magenta (17%)
- Yellow (25%)
- Black (7%)




- Cyan (7%)
- Magenta (23%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.9000, 0.3610, 0.3524 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 60.9000, 0.3610, 0.3524 by changing the saturation by 10% instead.





 60.9000, 0.3610,  
0.3524

 60.9000, 0.3610,  
0.3524


427.9073, 0.3378,  
0.3417

 44.1445, 0.3665,  
0.3548


 106.1341, 0.3528,  
0.3487

 30.7841, 0.3735,  
0.3578


135.3815, 0.3496,  
0.3473

 20.4345, 0.3824,  
0.3614


169.5617, 0.3469,  
0.3460

 12.7113, 0.3944,  
0.3661

209.0589, 0.3446,  
0.3449

 7.2300, 0.4112,  
0.3722

254.2577, 0.3426,  
0.3440

 3.6064, 0.4364,  
0.3802

305.5424, 0.3408,

 1.4559, 0.4914,

0.3431

0.4017

363.2975, 0.3392,  
0.3423

0.2574, 0.6629,  
0.3371

0.0000, 0.0000,  
0.0000

60.9000, 0.3610,  
0.3524

60.9000, 0.3610,  
0.3524

53.4395, 0.3859,  
0.3621

69.2357, 0.3396,  
0.3428

46.8164, 0.4145,  
0.3715

78.4661, 0.3214,  
0.3337

41.0024, 0.4464,  
0.3796

88.6207, 0.3060,  
0.3252

35.9640, 0.4808,  
0.3855

96.5683, 0.3011,  
0.3290

■ 31.6654, 0.5156,  
0.3877

■ 28.0672, 0.5481,  
0.3852

■ 25.1250, 0.5752,  
0.3776

■ 23.9775, 0.5859,  
0.3730

# Harmonies

## Analogous

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



60.9000, 0.3559, 0.3324



60.9000, 0.3610, 0.3524



60.9000, 0.3526, 0.3673

# Triad

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



60.9000, 0.3610, 0.3524



60.9000, 0.2867, 0.3460



60.9000, 0.2910, 0.2890

# Complementary

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



60.9000, 0.3610, 0.3524



63.8487, 0.2732, 0.3043

# 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.



60.9000, 0.2737, 0.2909



60.9000, 0.3610, 0.3524



60.9000, 0.2713, 0.3231

# Square

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



60.9000, 0.3610, 0.3524



60.9000, 0.3093, 0.3645



60.9000, 0.2667, 0.3030



60.9000, 0.3147, 0.2968



# Rectangle

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



60.9000, 0.3610, 0.3524



60.9000, 0.3407, 0.3719



60.9000, 0.2667, 0.3030



60.9000, 0.2843, 0.2885

# Sweetspot

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



60.9028, 0.3610, 0.3524



90.5932, 0.3259, 0.3360



53.7752, 0.3326, 0.2868



19.0290, 0.3286, 0.3374



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.



60.9028, 0.3610, 0.3524



67.4231, 0.3748, 0.3580



75.8858, 0.3533, 0.3837



15.9181, 0.3284, 0.3373



13.4399, 0.5829, 0.3753



1.2302, 0.5564, 0.3964

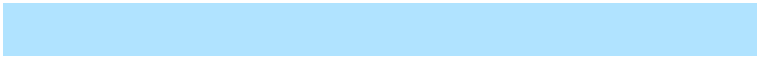


# Inverse Universe

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



63.8487, 0.2732, 0.3043



71.5341, 0.2644, 0.2979



49.9705, 0.2699, 0.2677



16.1812, 0.2981, 0.3205



16.1906, 0.1917, 0.2101



1.4507, 0.1968, 0.2285



# Previews

## White Background



This preview shows how the Yxy color 60.9000, 0.3610, 0.3524 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

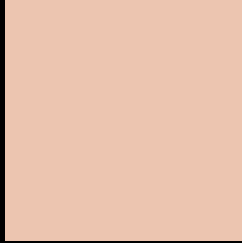
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.9000, 0.3610, 0.3524 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

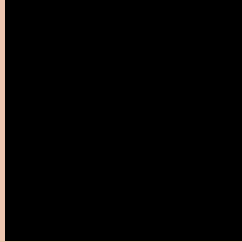
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.9000, 0.3610, 0.3524**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.9000, 0.3610, 0.3524.



This preview shows how white text looks on a background with the Yxy color 60.9000, 0.3610, 0.3524.

# 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

60.9000, 0.3610, 0.3524

### Protanopia

60.9281, 0.3390, 0.3570

### Deuteranopia

60.7293, 0.3602, 0.3524



## Tritanopia

60.7295, 0.3404, 0.3130

# Trichromacy



**Original Color**

60.9000, 0.3610, 0.3524

**Protanomaly**

60.7159, 0.3469, 0.3542

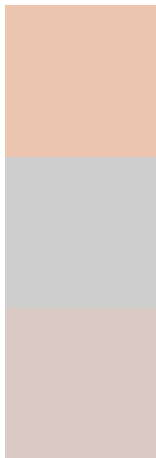
**Deuteranomaly**

60.7293, 0.3602, 0.3524

**Tritanomaly**

60.9198, 0.3480, 0.3269

# Monochromacy



**Original Color**

60.9000, 0.3610, 0.3524

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

61.4037, 0.3295, 0.3382

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.9000, 0.3610, 0.3524 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(236, 197, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 197, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 60.9000, 0.3610, 0.3524 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, 176) }
```

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

```
.border{ border-color:rgb(236, 197, 176) }
```

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, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 197, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 197, 176);  
box-shadow:4px 4px 4px 4px rgb(236, 197,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.9000, 0.3610, 0.3524 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, 176) }
```

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

```
.background{ background-color: rgb(236,  
197, 176) }
```

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