

# Converting Colors

Yxy(52.7517, 0.3628, 0.3334)

Have a look what the booklet for  
Yxy(52.7517, 0.3628, 0.3334)  
contains.

<b>Yxy(52.5306, 0.3623, 0.3326)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(52.5306, 0.3623, 0.3326)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8B3B0
RGB	232, 179, 176
RGB Percent	91%, 70%, 69%
CMY	0.0904, 0.2979, 0.3099
CMYK	0.00, 0.23, 0.24, 0.09
HSL	3°, 55%, 80%
HSV	3°, 24%, 91%
XYZ	57.2214, 52.5306, 48.1873
YIQ	194.5050, 32.5510, 10.3030

# Conversions

## Conversions Part 2

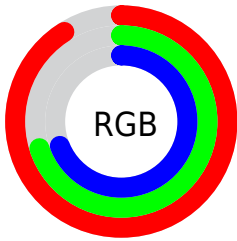
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 179, 176
Decimal	15250352
CIE <sub>Lab</sub>	77.60, 18.76, 8.96
CIE <sub>LCh</sub>	78, 20.787, 25.538
Yxy	52.5306, 0.3623, 0.3326
Android (android.graphics.Color)	4293440432 (0xFFE8B3B0)
YUV	194.5050, -9.1230, 32.8831
Hunter-Lab	72.4780, 14.0893, 11.3154

# Details

The Yxy color  $52.5306, 0.3623, 0.3326$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $71.0353, 0.2769, 0.3254$ , and the grayscale version is  $54.3033, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.5029, 0.3282, 0.3320$ , and  $25.4909, 0.3750, 0.3322$  is the 20% darker color. If you saturate the color by 10%, you get  $43.5871, 0.3916, 0.3342$ , and if you desaturate by 10%, it is  $63.0341, 0.3386, 0.3310$ .

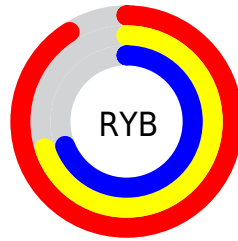
# Distribution



Red (91%)

Green (70%)

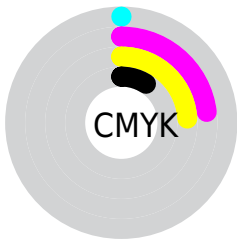
Blue (69%)



Red (91%)

Yellow (70%)

Blue (69%)

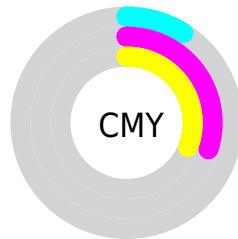


Cyan (0%)

Magenta (23%)

Yellow (24%)

Black (9%)



Cyan (9%)

Magenta (30%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5306, 0.3623, 0.3326 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 52.5306, 0.3623, 0.3326 by changing the saturation by 10% instead.





 52.5306, 0.3623,  
0.3326

 52.5306, 0.3623,  
0.3326


396.4816, 0.3378,  
0.3313

 37.4282, 0.3683,  
0.3328


 93.9133, 0.3535,  
0.3322

 25.5392, 0.3760,  
0.3330


120.9624, 0.3501,  
0.3321

 16.4792, 0.3861,  
0.3331


152.7624, 0.3473,  
0.3319

 9.8639, 0.4000,  
0.3330

189.6979, 0.3449,  
0.3317

 5.3088, 0.4203,  
0.3324

232.1531, 0.3427,  
0.3316

 2.4296, 0.4524,  
0.3303

280.5126, 0.3409,

 0.8410, 0.5405,

0.3315

0.3419

335.1606, 0.3393,  
0.3314

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.5306, 0.3623,  
0.3326

52.5306, 0.3623,  
0.3326

43.5871, 0.3916,  
0.3342

63.0341, 0.3386,  
0.3310

36.1223, 0.4271,  
0.3357

75.1591, 0.3195,  
0.3296

30.0587, 0.4687,  
0.3369

88.9731, 0.3041,  
0.3282

25.3089, 0.5148,  
0.3375

95.8873, 0.2987,  
0.3290

■ 21.7756, 0.5610,  
0.3372

■ 19.3480, 0.6010,  
0.3358

■ 17.8952, 0.6278,  
0.3334

■ 17.4259, 0.6371,  
0.3324

# Harmonies

## Analogous

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



52.5306, 0.3424, 0.3099



52.5306, 0.3623, 0.3326



52.5306, 0.3682, 0.3554

# Triad

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



52.5306, 0.3623, 0.3326



52.5306, 0.3088, 0.3701



52.5306, 0.2680, 0.2854

# Complementary

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



52.5306, 0.3623, 0.3326



71.0353, 0.2769, 0.3254

# 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.



52.5306, 0.2601, 0.2991



52.5306, 0.3623, 0.3326



52.5306, 0.2829, 0.3487

# Square

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



52.5306, 0.3623, 0.3326



52.5306, 0.3365, 0.3788



52.5306, 0.2654, 0.3221



52.5306, 0.2876, 0.2833



# Rectangle

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



52.5306, 0.3623, 0.3326



52.5306, 0.3634, 0.3680



52.5306, 0.2654, 0.3221



52.5306, 0.2640, 0.2887

# Sweetspot

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



52.5330, 0.3623, 0.3326



88.6034, 0.3246, 0.3300



53.8561, 0.3177, 0.2718



18.7648, 0.3257, 0.3301



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.



52.5330, 0.3623, 0.3326



59.3285, 0.3762, 0.3334



64.7924, 0.3552, 0.3632



14.4932, 0.3291, 0.3303



9.7353, 0.6360, 0.3332



0.7641, 0.6248, 0.3421

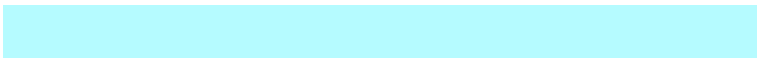


# Inverse Universe

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



71.0353, 0.2769, 0.3254



86.0271, 0.2701, 0.3245



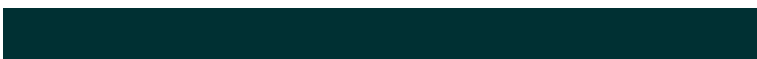
56.9023, 0.2741, 0.2922



16.1948, 0.2982, 0.3277



31.5282, 0.2200, 0.3120



2.3712, 0.2207, 0.3146



# Previews

## White Background



This preview shows how the Yxy color 52.5306, 0.3623, 0.3326 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

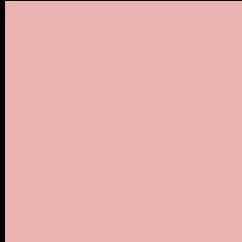
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.5306, 0.3623, 0.3326 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 52.5306, 0.3623, 0.3326**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.5306, 0.3623, 0.3326.



This preview shows how white text looks on a background with the Yxy color 52.5306, 0.3623, 0.3326.

# 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

52.5306, 0.3623, 0.3326

### Protanopia

52.6863, 0.3246, 0.3389

### Deuteranopia

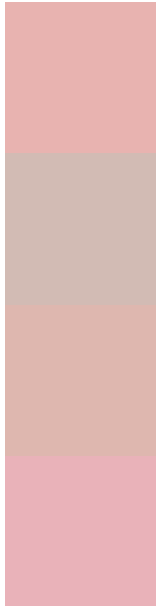
52.5448, 0.3485, 0.3409



## Tritanopia

52.6544, 0.3522, 0.3146

# Trichromacy



## Original Color

52.5306, 0.3623, 0.3326

## Protanomaly

52.5376, 0.3378, 0.3375

## Deuteranomaly

52.4917, 0.3533, 0.3385

## Tritanomaly

52.6672, 0.3555, 0.3213

# Monochromacy



## Original Color

52.5306, 0.3623, 0.3326

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

53.4359, 0.3293, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.5306, 0.3623, 0.3326 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(232, 179, 176)` looks like.

```
.text, #text, p{  
    color:rgb(232, 179, 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(232, 179, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 179, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 52.5306, 0.3623, 0.3326 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(232, 179, 176) }
```

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

```
.border{ border-color:rgb(232, 179, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 179, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 179, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 179, 176);  
box-shadow:4px 4px 4px 4px rgb(232, 179,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.5306, 0.3623, 0.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 179, 176) }
```

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

```
.background{ background-color: rgb(232,  
179, 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