

Converting Colors

$Y_{xy}(58.9575, 0.3670, 0.3554)$

Have a look what the booklet for
Yxy(58.9575, 0.3670, 0.3554)
contains.

Yxy(58.8751, 0.3670, 0.3547)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.8751, 0.3670, 0.3547)

Conversions

Conversions Part 1

Format	Color
Hex	ECC1AA
RGB	236, 193, 170
RGB Percent	93%, 76%, 67%
CMY	0.0745, 0.2431, 0.3332
CMYK	0.00, 0.18, 0.28, 0.07
HSL	21°, 63%, 80%
HSV	21°, 28%, 93%
XYZ	60.9167, 58.8751, 46.1938
YIQ	203.2350, 33.0110, 1.9630

Conversions

Conversions Part 2

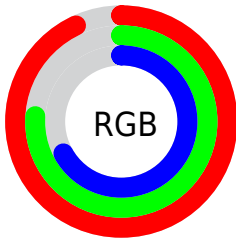
Format	Color
R_{YB}	236, 205, 170
Decimal	15516074
CIE _{Lab}	81.22, 12.03, 17.34
CIE _{LCh}	81, 21.107, 55.261
Yxy	58.8751, 0.3670, 0.3547
Android (android.graphics.Color)	4293706154 (0xFFECC1AA)
YUV	203.2350, -16.3849, 28.7349
Hunter-Lab	76.7301, 7.4351, 18.0167

Details

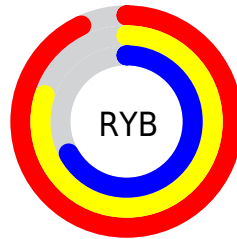
The Yxy color **58.8751, 0.3670, 0.3547** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **62.1944, 0.2693, 0.3017**, and the grayscale version is **59.9676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4476, 0.3311, 0.3525**, and **29.3569, 0.3810, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **51.6143, 0.3929, 0.3643**, and if you desaturate by 10%, it is **67.0085, 0.3447, 0.3451**.

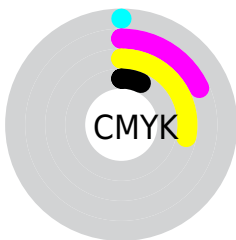
Distribution



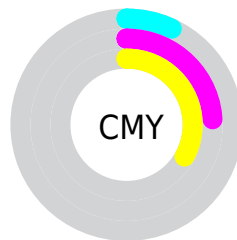
- Red (93%)
- Green (76%)
- Blue (67%)



- Red (93%)
- Yellow (80%)
- Blue (67%)



- Cyan (0%)
- Magenta (18%)
- Yellow (28%)
- Black (7%)





- Cyan (7%)
- Magenta (24%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8751, 0.3670, 0.3547 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 58.8751, 0.3670, 0.3547 by changing the saturation by 10% instead.

 58.8751, 0.3670,
0.3547

 58.8751, 0.3670,
0.3547


420.4389, 0.3407,
0.3429

 42.5126, 0.3733,
0.3573


 103.1961, 0.3577,
0.3506

 29.5029, 0.3812,
0.3605


131.9234, 0.3541,
0.3491

 19.4616, 0.3914,
0.3645


165.5411, 0.3510,
0.3477

 12.0043, 0.4052,
0.3695

204.4335, 0.3484,
0.3465

 6.7466, 0.4245,
0.3760

248.9851, 0.3461,
0.3454

 3.3041, 0.4534,
0.3841

299.5803, 0.3441,

 1.2925, 0.5347,

0.3445

0.4198

356.6034, 0.3423,
0.3437

0.1354, 0.7572,
0.2428

0.0000, 0.0000,
0.0000

58.8751, 0.3670,
0.3547

58.8751, 0.3670,
0.3547

51.6143, 0.3929,
0.3643

67.0085, 0.3447,
0.3451

45.1878, 0.4224,
0.3734

76.0349, 0.3257,
0.3359

39.5665, 0.4552,
0.3810

85.9841, 0.3096,
0.3273

34.7161, 0.4900,
0.3860

96.2604, 0.3011,
0.3285

■ 30.5996, 0.5247,
0.3871

■ 96.5711, 0.3011,
0.3290

■ 27.1763, 0.5562,
0.3833

■ 24.3981, 0.5817,
0.3745

■ 23.9004, 0.5865,
0.3725

Harmonies

Analogous

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



58.8751, 0.3610, 0.3323



58.8751, 0.3670, 0.3547



58.8751, 0.3577, 0.3717

Triad

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



58.8751, 0.3670, 0.3547



58.8751, 0.2838, 0.3485



58.8751, 0.2880, 0.2843

Complementary

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



58.8751, 0.3670, 0.3547



62.1944, 0.2693, 0.3017

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.



58.8751, 0.2689, 0.2865



58.8751, 0.3670, 0.3547



58.8751, 0.2666, 0.3225

Square

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



58.8751, 0.3670, 0.3547



58.8751, 0.3092, 0.3693



58.8751, 0.2612, 0.2999



58.8751, 0.3144, 0.2929

Rectangle

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



58.8751, 0.3670, 0.3547



58.8751, 0.3444, 0.3772



58.8751, 0.2612, 0.2999



58.8751, 0.2805, 0.2837

Sweetspot

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



58.8778, 0.3670, 0.3547



90.5658, 0.3259, 0.3360



51.4439, 0.3341, 0.2813



19.0221, 0.3286, 0.3373



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.



58.8778, 0.3670, 0.3547



64.7202, 0.3826, 0.3607



74.5821, 0.3579, 0.3881



15.9124, 0.3284, 0.3373



13.3943, 0.5835, 0.3749



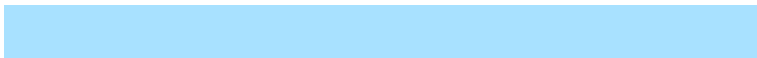
1.2262, 0.5569, 0.3960

Inverse Universe

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



62.1944, 0.2693, 0.3017



69.3146, 0.2599, 0.2947



47.6586, 0.2652, 0.2620



16.1871, 0.2981, 0.3206



16.2866, 0.1919, 0.2109



1.4578, 0.1970, 0.2292

Previews

White Background



This preview shows how the Yxy color 58.8751, 0.3670, 0.3547 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 58.8751, 0.3670, 0.3547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

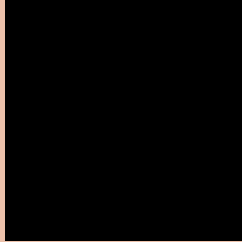
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.8751, 0.3670, 0.3547

Background



This preview shows how black text looks on a background with the Yxy color 58.8751, 0.3670, 0.3547.



This preview shows how white text looks on a background with the Yxy color 58.8751, 0.3670, 0.3547.

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

58.8751, 0.3670, 0.3547

Protanopia

58.8263, 0.3416, 0.3610

Deuteranopia

58.8095, 0.3642, 0.3560



Tritanopia

58.8035, 0.3442, 0.3129

Trichromacy



Original Color

58.8751, 0.3670, 0.3547

Protanomaly

58.7774, 0.3506, 0.3580

Deuteranomaly

58.9783, 0.3650, 0.3560

Tritanomaly

58.9392, 0.3529, 0.3280

Monochromacy



Original Color

58.8751, 0.3670, 0.3547

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

59.0555, 0.3314, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8751, 0.3670, 0.3547 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, 193, 170)` looks like.

```
.text, #text, p{  
    color:rgb(236, 193, 170)  
}
```

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, 193, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 193, 170) }
```

Border

The CSS property to change the border of an element to Yxy 58.8751, 0.3670, 0.3547 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, 193, 170) }
```

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

```
.border{ border-color:rgb(236, 193, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 193, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 193, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 193, 170);  
box-shadow:4px 4px 4px 4px rgb(236, 193,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8751, 0.3670, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 193, 170) }
```

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

```
.background{ background-color: rgb(236,  
193, 170) }
```

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