

Converting Colors

$Yxy(85.6457, 0.3636, 0.3903)$

Have a look what the booklet for
Yxy(85.6457, 0.3636, 0.3903)
contains.

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Color

Yxy(85.5834, 0.3638, 0.3904)

Conversions

Conversions Part 1

Format	Color
Hex	FFEEB1
RGB	255, 238, 177
RGB Percent	100%, 93%, 69%
CMY	0.0000, 0.0667, 0.3061
CMYK	0.00, 0.07, 0.31, 0.00
HSL	47°, 100%, 85%
HSV	47°, 31%, 100%
XYZ	79.7522, 85.5834, 53.8842
YIQ	236.1290, 29.7130, -15.3670

Conversions

Conversions Part 2

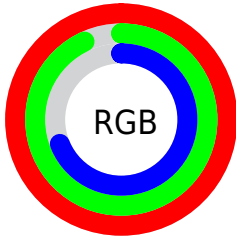
Format	Color
R_{YB}	199, 255, 177
Decimal	16772785
CIE _{Lab}	94.13, -3.12, 31.69
CIE _{LCh}	94, 31.843, 95.619
Yxy	85.5834, 0.3638, 0.3904
Android (android.graphics.Color)	4294962865 (0xFFFFEEB1)
YUV	236.1290, -29.1506, 16.5499
Hunter-Lab	92.5113, -8.0135, 30.2238

Details

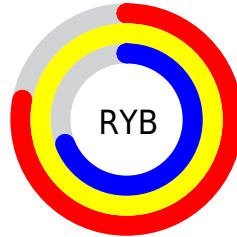
The Yxy color **85.5834, 0.3638, 0.3904** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.1220, 0.2605, 0.2589**, and the grayscale version is **84.1913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **46.7814, 0.3741, 0.4033** is the 20% darker color. If you saturate the color by 10%, you get **81.4758, 0.3821, 0.4104**, and if you desaturate by 10%, it is **89.9803, 0.3460, 0.3699**.

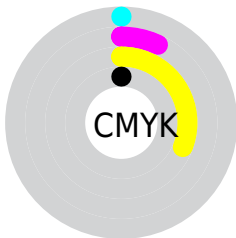
Distribution



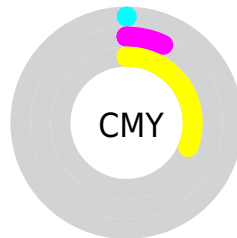
- Red (100%)
- Green (93%)
- Blue (69%)



- Red (78%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (7%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5834, 0.3638, 0.3904 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 85.5834, 0.3638, 0.3904 by changing the saturation by 10% instead.


 85.5834, 0.3638,
0.3904

 85.5834, 0.3638,
0.3904

513.5565, 0.3412,
0.3629

 64.3235, 0.3687,
0.3964


 141.1880, 0.3562,
0.3811

 46.9128, 0.3745,
0.4037


176.3015, 0.3531,
0.3774

 32.9667, 0.3817,
0.4127

216.8017, 0.3505,
0.3742

 22.1009, 0.3906,
0.4239

263.0729, 0.3482,
0.3713

 13.9311, 0.4018,
0.4384

315.4997, 0.3461,
0.3689

 8.0727, 0.4161,
0.4573

374.4662, 0.3443,

 4.1415, 0.4353,

0.3666

0.4837

440.3571, 0.3427,
0.3647

■ 1.7530, 0.4691,
0.5309

■ 0.4577, 0.4395,
0.5605

■ 85.5834, 0.3638,
0.3904

■ 85.5834, 0.3638,
0.3904

■ 81.4758, 0.3821,
0.4104

■ 89.9803, 0.3460,
0.3699

■ 77.6466, 0.4003,
0.4290

■ 94.6778, 0.3292,
0.3497

■ 74.0832, 0.4177,
0.4452

■ 99.6856, 0.3136,
0.3302

■ 70.7715, 0.4336,
0.4579

■ 100.0000, 0.3127,
0.3290

■ 67.6957, 0.4470,
0.4662

■ 64.8371, 0.4575,
0.4697

■ 62.3223, 0.4649,
0.4691

Harmonies

Analogous

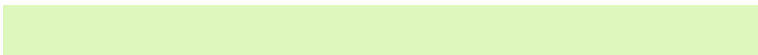
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5834, 0.3830, 0.3712



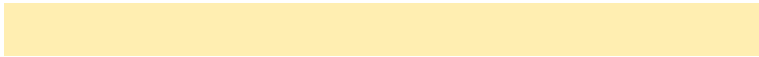
85.5834, 0.3638, 0.3904



85.5834, 0.3314, 0.3929

Triad

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



85.5834, 0.3638, 0.3904



85.5834, 0.2477, 0.3083



85.5834, 0.3276, 0.2885

Complementary

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



85.5834, 0.3638, 0.3904



55.1220, 0.2605, 0.2589

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.



85.5834, 0.2910, 0.2729



85.5834, 0.3638, 0.3904



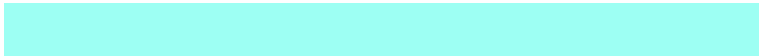
85.5834, 0.2467, 0.2824

Square

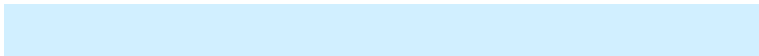
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5834, 0.3638, 0.3904



85.5834, 0.2649, 0.3429



85.5834, 0.2620, 0.2703



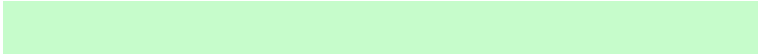
85.5834, 0.3617, 0.3135

Rectangle

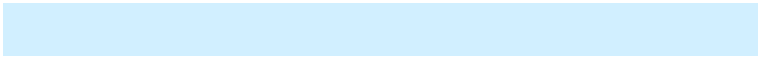
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5834, 0.3638, 0.3904



85.5834, 0.3071, 0.3833



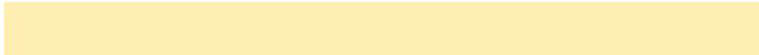
85.5834, 0.2620, 0.2703



85.5834, 0.3151, 0.2820

Sweetspot

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



85.5832, 0.3638, 0.3904



95.4615, 0.3266, 0.3465



56.6325, 0.3660, 0.3102



20.2808, 0.3290, 0.3494



0.0000, 0.0000, 0.0000



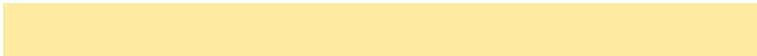
21.4041, 0.3127, 0.3290

Same Dimension

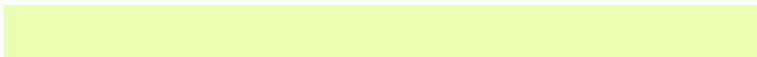
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5832, 0.3638, 0.3904



82.9248, 0.3754, 0.4033



92.2165, 0.3450, 0.4095



20.3799, 0.3275, 0.3475



32.7942, 0.4640, 0.4698



3.3515, 0.4579, 0.4746

Inverse Universe

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



55.1220, 0.2605, 0.2589



47.8887, 0.2482, 0.2414



50.6188, 0.2727, 0.2422



18.0189, 0.2979, 0.3098



5.4038, 0.1562, 0.0824



0.6783, 0.1617, 0.1022

Previews

White Background



This preview shows how the Yxy color 85.5834, 0.3638, 0.3904 looks on a white background.

Color Contrast Check

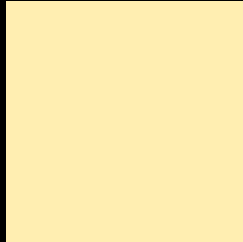
Large Text (above 18pt) WCAG AA × Fail

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 85.5834, 0.3638, 0.3904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

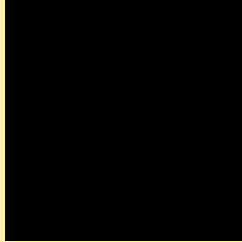
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.5834, 0.3638, 0.3904

Background



This preview shows how black text looks on a background with the Yxy color 85.5834, 0.3638, 0.3904.



This preview shows how white text looks on a background with the Yxy color 85.5834, 0.3638, 0.3904.

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

85.5834, 0.3638, 0.3904

Protanopia

85.6637, 0.3625, 0.3884

Deuteranopia

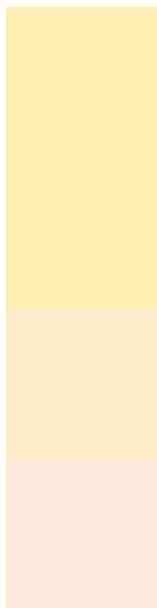
85.7386, 0.3374, 0.3460



Tritanopia

85.5049, 0.3207, 0.3173

Trichromacy



Original Color

85.5834, 0.3638, 0.3904

Protanomaly

85.6234, 0.3631, 0.3894

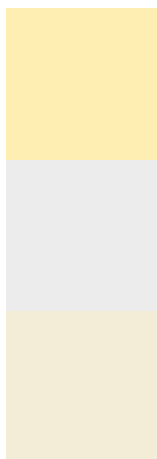
Deuteranomaly

85.5627, 0.3471, 0.3621

Tritanomaly

85.2729, 0.3362, 0.3430

Monochromacy



Original Color

85.5834, 0.3638, 0.3904

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.5294, 0.3307, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5834, 0.3638, 0.3904 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(255, 238, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 177)  
}
```

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(255, 238, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 177) }
```

Border

The CSS property to change the border of an element to Yxy 85.5834, 0.3638, 0.3904 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(255, 238, 177) }
```

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

```
.border{ border-color:rgb(255, 238, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5834, 0.3638, 0.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 177) }
```

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

```
.background{ background-color: rgb(255,  
238, 177) }
```

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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