

Converting Colors

$Y_{xy}(85.6023, 0.3612, 0.3861)$

Have a look what the booklet for
Yxy(85.6023, 0.3612, 0.3861)
contains.

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Color

Yxy(85.7453, 0.3612, 0.3863)

Conversions

Conversions Part 1

Format	Color
Hex	FFEEB5
RGB	255, 238, 181
RGB Percent	100%, 93%, 71%
CMY	0.0000, 0.0667, 0.2901
CMYK	0.00, 0.07, 0.29, 0.00
HSL	46°, 100%, 85%
HSV	46°, 29%, 100%
XYZ	80.1740, 85.7453, 56.0463
YIQ	236.5850, 28.4290, -14.1230

Conversions

Conversions Part 2

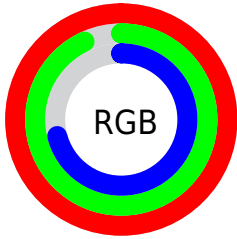
Format	Color
R _Y B	203, 255, 181
Decimal	16772789
CIE Lab	94.20, -2.59, 29.72
CIE LCh	94, 29.833, 94.975
Yxy	85.7453, 0.3612, 0.3863
Android (android.graphics.Color)	4294962869 (0xFFFFEEB5)
YUV	236.5850, -27.4034, 16.1500
Hunter-Lab	92.5988, -7.4987, 28.9333

Details

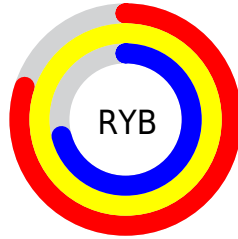
The Yxy color **85.7453, 0.3612, 0.3863** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.4462, 0.2636, 0.2642**, and the grayscale version is **84.5433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **46.8847, 0.3708, 0.3983** is the 20% darker color. If you saturate the color by 10%, you get **81.4244, 0.3796, 0.4062**, and if you desaturate by 10%, it is **90.3515, 0.3434, 0.3661**.

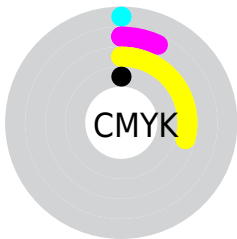
Distribution



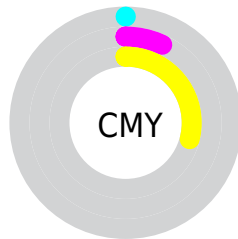
- Red (100%)
- Green (93%)
- Blue (71%)



- Red (80%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (7%)
- Yellow (29%)
- Black (0%)



- Cyan (0%)
- Magenta (7%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.7453, 0.3612, 0.3863 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 85.7453, 0.3612, 0.3863 by changing the saturation by 10% instead.


 85.7453, 0.3612,
0.3863

 85.7453, 0.3612,
0.3863

514.0910, 0.3397,
0.3606

 64.4574, 0.3659,
0.3919

 141.4140, 0.3539,
0.3776

 47.0212, 0.3715,
0.3987

176.5636, 0.3511,
0.3741

 33.0524, 0.3784,
0.4071


217.1025, 0.3485,
0.3711

 22.1666, 0.3869,
0.4177

263.4151, 0.3463,
0.3685

 13.9794, 0.3979,
0.4314

315.8859, 0.3444,
0.3662

 8.1063, 0.4120,
0.4494

374.8992, 0.3426,

 4.1631, 0.4305,

0.3641

0.4739

440.8395, 0.3411,
0.3623

■ 1.7652, 0.4723,
0.5277

■ 0.4653, 0.4490,
0.5510

■ 85.7453, 0.3612,
0.3863

■ 85.7453, 0.3612,
0.3863

■ 81.4244, 0.3796,
0.4062

■ 90.3515, 0.3434,
0.3661

■ 77.4036, 0.3982,
0.4249

■ 95.2800, 0.3267,
0.3462

■ 73.6616, 0.4161,
0.4413

100.0000, 0.3127,
0.3290

■ 70.1846, 0.4327,
0.4544

■ 66.9568, 0.4471,
0.4633

■ 63.9600, 0.4586,
0.4674

■ 61.1674, 0.4671,
0.4668

■ 60.9001, 0.4679,
0.4667

Harmonies

Analogous

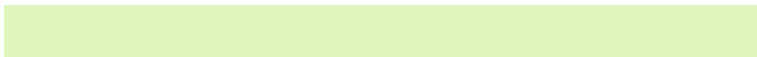
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7453, 0.3787, 0.3683



85.7453, 0.3612, 0.3863



85.7453, 0.3311, 0.3888

Triad

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



85.7453, 0.3612, 0.3863



85.7453, 0.2518, 0.3104



85.7453, 0.3260, 0.2905

Complementary

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



85.7453, 0.3612, 0.3863



57.4462, 0.2636, 0.2642

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.



85.7453, 0.2918, 0.2761



85.7453, 0.3612, 0.3863



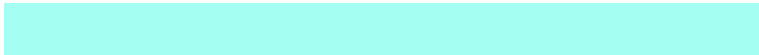
85.7453, 0.2505, 0.2858

Square

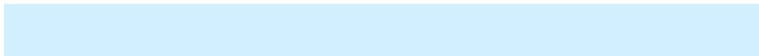
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.7453, 0.3612, 0.3863



85.7453, 0.2684, 0.3428



85.7453, 0.2647, 0.2740



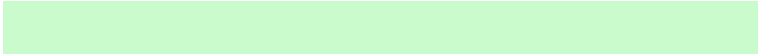
85.7453, 0.3580, 0.3139

Rectangle

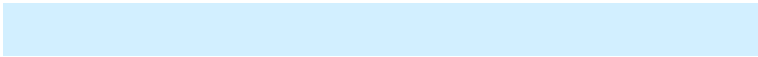
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.7453, 0.3612, 0.3863



85.7453, 0.3083, 0.3800



85.7453, 0.2647, 0.2740



85.7453, 0.3143, 0.2845

Sweetspot

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



85.7366, 0.3611, 0.3863



95.2876, 0.3267, 0.3462



58.4026, 0.3623, 0.3112



20.2377, 0.3290, 0.3491



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

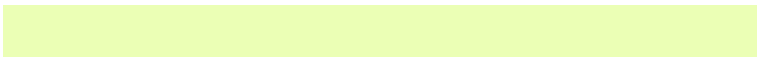
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7366, 0.3611, 0.3863



83.1200, 0.3721, 0.3983



92.5648, 0.3434, 0.4051



20.3406, 0.3275, 0.3472



32.0591, 0.4669, 0.4674



3.2857, 0.4604, 0.4727

Inverse Universe

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



57.4462, 0.2636, 0.2642



50.5341, 0.2522, 0.2483



52.6545, 0.2752, 0.2473



18.0554, 0.2979, 0.3101



5.5728, 0.1568, 0.0846



0.6995, 0.1625, 0.1048

Previews

White Background



This preview shows how the Yxy color 85.7453, 0.3612, 0.3863 looks on a white background.

Color Contrast Check

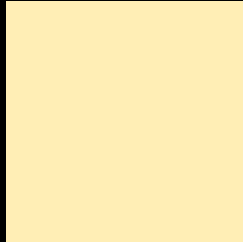
Large Text (above 18pt) WCAG AA × Fail

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 85.7453, 0.3612, 0.3863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

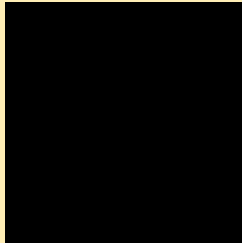
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.7453, 0.3612, 0.3863

Background



This preview shows how black text looks on a background with the Yxy color 85.7453, 0.3612, 0.3863.



This preview shows how white text looks on a background with the Yxy color 85.7453, 0.3612, 0.3863.

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

85.7453, 0.3612, 0.3863

Protanopia

85.7453, 0.3612, 0.3863

Deuteranopia

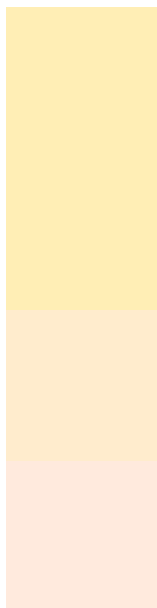
85.7911, 0.3367, 0.3450



Tritanopia

85.5049, 0.3207, 0.3173

Trichromacy



Original Color

85.7453, 0.3612, 0.3863

Protanomaly

85.7453, 0.3612, 0.3863

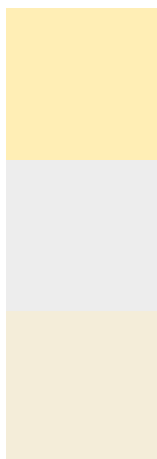
Deuteranomaly

85.6587, 0.3458, 0.3601

Tritanomaly

85.3261, 0.3355, 0.3420

Monochromacy



Original Color

85.7453, 0.3612, 0.3863

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.8112, 0.3301, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7453, 0.3612, 0.3863 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 181) }
```

Border

The CSS property to change the border of an element to Yxy 85.7453, 0.3612, 0.3863 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, 181) }
```

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

```
.border{ border-color:rgb(255, 238, 181) }
```

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, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7453, 0.3612, 0.3863 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, 181) }
```

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

```
.background{ background-color: rgb(255,  
238, 181) }
```

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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