

Converting Colors

$Yxy(96.1491, 0.3900, 0.3770)$

Have a look what the booklet for
Yxy(96.1491, 0.3900, 0.3770)
contains.

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Color

Yxy(86.4958, 0.3583, 0.3832)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFB9
RGB	255, 239, 185
RGB Percent	100%, 94%, 73%
CMY	0.0000, 0.0628, 0.2744
CMYK	0.00, 0.06, 0.27, 0.00
HSL	46°, 100%, 86%
HSV	46°, 27%, 100%
XYZ	80.8754, 86.4958, 58.3485
YIQ	237.6280, 26.8700, -13.4020

Conversions

Conversions Part 2

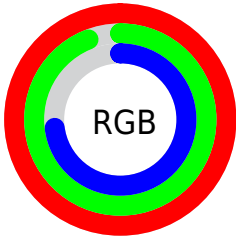
Format	Color
R _Y B	206, 255, 185
Decimal	16773049
CIE Lab	94.52, -2.60, 28.11
CIE LCh	95, 28.228, 95.275
Yxy	86.4958, 0.3583, 0.3832
Android (android.graphics.Color)	4294963129 (0xFFFFE9B9)
YUV	237.6280, -25.9456, 15.2352
Hunter-Lab	93.0031, -7.5321, 27.9047

Details

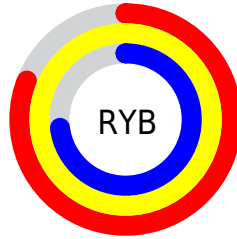
The Yxy color **86.4958, 0.3583, 0.3832** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.3300, 0.2665, 0.2682**, and the grayscale version is **85.3850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **47.5387, 0.3681, 0.3942** is the 20% darker color. If you saturate the color by 10%, you get **82.1499, 0.3766, 0.4032**, and if you desaturate by 10%, it is **91.1399, 0.3407, 0.3630**.

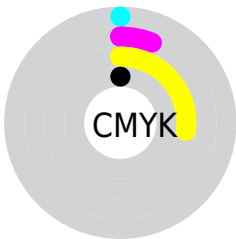
Distribution



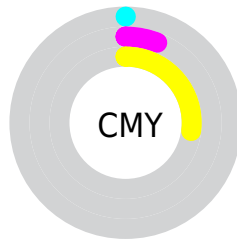
- Red (100%)
- Green (94%)
- Blue (73%)



- Red (81%)
- Yellow (100%)
- Blue (73%)



- Cyan (0%)
- Magenta (6%)
- Yellow (27%)
- Black (0%)




- Cyan (0%)
- Magenta (6%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4958, 0.3583, 0.3832 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 86.4958, 0.3583, 0.3832 by changing the saturation by 10% instead.

 86.4958, 0.3583,
0.3832

 86.4958, 0.3583,
0.3832


516.5646, 0.3381,
0.3589

 65.0780, 0.3627,
0.3885

 142.4612, 0.3515,
0.3749

 47.5244, 0.3680,
0.3950


177.7776, 0.3488,
0.3717

 33.4504, 0.3745,
0.4030


218.4956, 0.3464,
0.3689

 22.4717, 0.3826,
0.4130

264.9997, 0.3443,
0.3664

 14.2039, 0.3930,
0.4261

317.6743, 0.3425,
0.3642

 8.2626, 0.4066,
0.4434

376.9037, 0.3409,

 4.2634, 0.4244,

0.3622

0.4670

443.0723, 0.3394,
0.3605

■ 1.8220, 0.4724,
0.5276

■ 0.5008, 0.4517,
0.5483

■ 86.4958, 0.3583,
0.3832

■ 86.4958, 0.3583,
0.3832

■ 82.1499, 0.3766,
0.4032

■ 91.1399, 0.3407,
0.3630

■ 78.0986, 0.3952,
0.4222

■ 96.1006, 0.3242,
0.3432

■ 74.3271, 0.4133,
0.4391

100.0000, 0.3127,
0.3290

■ 70.8218, 0.4301,
0.4528

■ 67.5672, 0.4448,
0.4624

■ 64.5457, 0.4567,
0.4672

■ 61.7342, 0.4656,
0.4673

■ 61.0393, 0.4676,
0.4669

Harmonies

Analogous

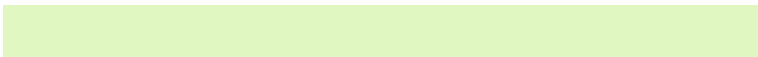
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4958, 0.3749, 0.3665



86.4958, 0.3583, 0.3832



86.4958, 0.3298, 0.3852

Triad

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



86.4958, 0.3583, 0.3832



86.4958, 0.2550, 0.3113



86.4958, 0.3256, 0.2927

Complementary

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



86.4958, 0.3583, 0.3832



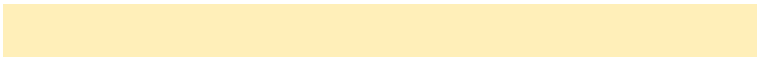
59.3300, 0.2665, 0.2682

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.



86.4958, 0.2933, 0.2789



86.4958, 0.3583, 0.3832



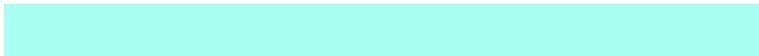
86.4958, 0.2539, 0.2880

Square

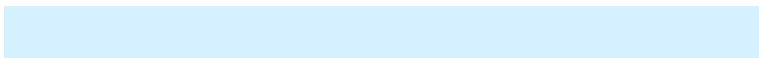
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4958, 0.3583, 0.3832



86.4958, 0.2707, 0.3418



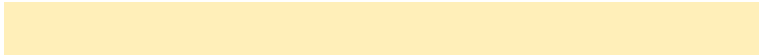
86.4958, 0.2675, 0.2769



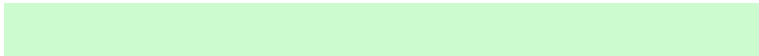
86.4958, 0.3557, 0.3151

Rectangle

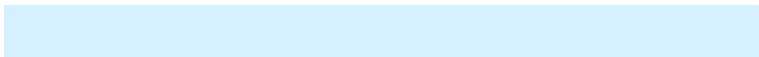
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.4958, 0.3583, 0.3832



86.4958, 0.3083, 0.3768



86.4958, 0.2675, 0.2769



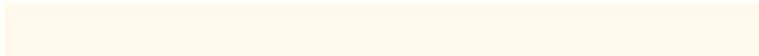
86.4958, 0.3146, 0.2870

Sweetspot

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



86.4932, 0.3583, 0.3832



95.8134, 0.3251, 0.3443



60.2055, 0.3587, 0.3122



20.3445, 0.3275, 0.3472



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

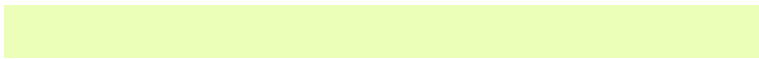
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4932, 0.3583, 0.3832



84.0408, 0.3684, 0.3944



92.9156, 0.3418, 0.4008



20.3445, 0.3275, 0.3472



32.1311, 0.4666, 0.4677



3.2921, 0.4601, 0.4729

Inverse Universe

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



59.3300, 0.2665, 0.2682



52.7320, 0.2560, 0.2536



54.7252, 0.2776, 0.2523



18.0518, 0.2979, 0.3101



5.5556, 0.1568, 0.0844



0.6974, 0.1624, 0.1045

Previews

White Background



This preview shows how the Yxy color 86.4958, 0.3583, 0.3832 looks on a white background.

Color Contrast Check

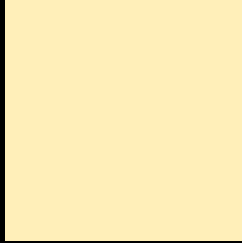
Large Text (above 18pt) WCAG AA × Fail

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 86.4958, 0.3583, 0.3832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

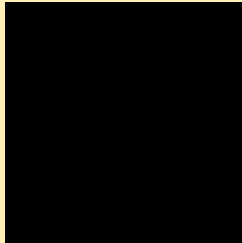
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.4958, 0.3583, 0.3832

Background



This preview shows how black text looks on a background with the Yxy color 86.4958, 0.3583, 0.3832.



This preview shows how white text looks on a background with the Yxy color 86.4958, 0.3583, 0.3832.

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

86.4958, 0.3583, 0.3832

Protanopia

86.5382, 0.3576, 0.3822

Deuteranopia

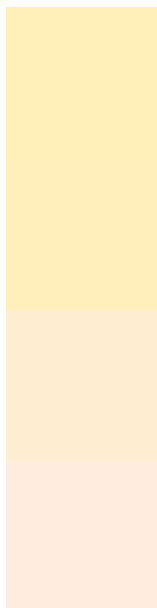
86.5248, 0.3346, 0.3429



Tritanopia

86.6982, 0.3199, 0.3183

Trichromacy



Original Color

86.4958, 0.3583, 0.3832

Protanomaly

86.5382, 0.3576, 0.3822

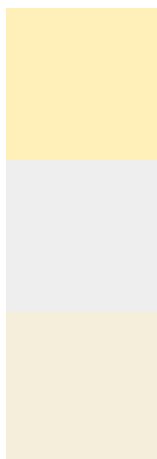
Deuteranomaly

86.4318, 0.3430, 0.3570

Tritanomaly

86.5786, 0.3339, 0.3419

Monochromacy



Original Color

86.4958, 0.3583, 0.3832

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.4966, 0.3287, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4958, 0.3583, 0.3832 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, 239, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 185)  
}
```

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, 239, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 185) }
```

Border

The CSS property to change the border of an element to Yxy 86.4958, 0.3583, 0.3832 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, 239, 185) }
```

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

```
.border{ border-color:rgb(255, 239, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4958, 0.3583, 0.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 185) }
```

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

```
.background{ background-color: rgb(255,  
239, 185) }
```

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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