

Converting Colors

$Yxy(86.4631, 0.3350, 0.3755)$

Have a look what the booklet for
Yxy(86.4631, 0.3350, 0.3755)
contains.

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Color

Yxy(86.6578, 0.3350, 0.3758)

Conversions

Conversions Part 1

Format	Color
Hex	ECF4C7
RGB	236, 244, 199
RGB Percent	93%, 96%, 78%
CMY	0.0745, 0.0431, 0.2196
CMYK	0.03, 0.00, 0.18, 0.04
HSL	71°, 67%, 87%
HSV	71°, 18%, 96%
XYZ	77.2495, 86.6578, 66.6882
YIQ	236.4780, 9.6770, -15.6910

Conversions

Conversions Part 2

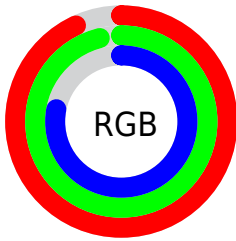
Format	Color
R _Y B	199, 244, 207
Decimal	15529159
CIE Lab	94.59, -10.08, 20.83
CIE LCh	95, 23.141, 115.827
Yxy	86.6578, 0.3350, 0.3758
Android (android.graphics.Color)	4293719239 (0xFFECEF4C7)
YUV	236.4780, -18.4767, -0.4192
Hunter-Lab	93.0902, -14.7822, 22.6888

Details

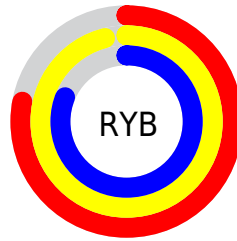
The Yxy color **86.6578, 0.3350, 0.3758** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.6482, 0.2878, 0.2793**, and the grayscale version is **84.4066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7141, 0.3396, 0.3866** is the 20% darker color. If you saturate the color by 10%, you get **84.8826, 0.3470, 0.4023**, and if you desaturate by 10%, it is **88.6405, 0.3228, 0.3499**.

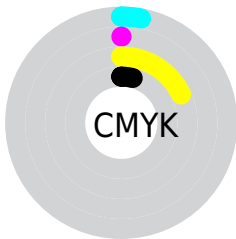
Distribution



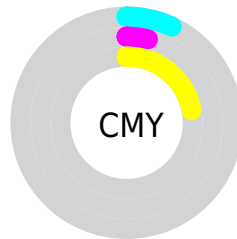
- Red (93%)
- Green (96%)
- Blue (78%)



- Red (78%)
- Yellow (96%)
- Blue (81%)



- Cyan (3%)
- Magenta (0%)
- Yellow (18%)
- Black (4%)




- Cyan (7%)
- Magenta (4%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6578, 0.3350, 0.3758 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 86.6578, 0.3350, 0.3758 by changing the saturation by 10% instead.


 86.6578, 0.3350,
0.3758

 86.6578, 0.3350,
0.3758

517.0977, 0.3252,
0.3544

 65.2121, 0.3371,
0.3806

142.6871, 0.3317,
0.3685

 47.6330, 0.3396,
0.3865


178.0394, 0.3304,
0.3656

 33.5364, 0.3427,
0.3939


218.7960, 0.3293,
0.3631

 22.5377, 0.3465,
0.4034

265.3414, 0.3283,
0.3609

 14.2525, 0.3514,
0.4161

318.0598, 0.3274,
0.3590

 8.2965, 0.3578,
0.4339

377.3358, 0.3266,

 4.2852, 0.3661,

0.3573

0.4602

443.5536, 0.3259,
0.3558

■ 1.8344, 0.3912,
0.5225

■ 0.5085, 0.3181,
0.6819

■ 86.6578, 0.3350,
0.3758

■ 86.6578, 0.3350,
0.3758

■ 84.8826, 0.3470,
0.4023

■ 88.6405, 0.3228,
0.3499

■ 83.2946, 0.3585,
0.4287

■ 90.8274, 0.3109,
0.3253

■ 81.8883, 0.3688,
0.4540

■ 92.0718, 0.3094,
0.3183

■ 80.6531, 0.3774,
0.4770

■ 92.8799, 0.3122,
0.3184

■ 79.5778, 0.3839,
0.4967

■ 93.1864, 0.3132,
0.3185

■ 78.6490, 0.3878,
0.5122

■ 77.8515, 0.3890,
0.5231

■ 77.1632, 0.3879,
0.5296

■ 77.0612, 0.3876,
0.5304

Harmonies

Analogous

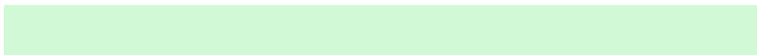
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6578, 0.3558, 0.3704



86.6578, 0.3350, 0.3758



86.6578, 0.3088, 0.3674

Triad

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



86.6578, 0.3350, 0.3758



86.6578, 0.2631, 0.3007



86.6578, 0.3409, 0.3112

Complementary

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



86.6578, 0.3350, 0.3758



60.6482, 0.2878, 0.2793

Split Complementary

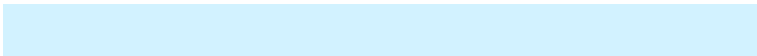
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6578, 0.3149, 0.2944



86.6578, 0.3350, 0.3758



86.6578, 0.2707, 0.2878

Square

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



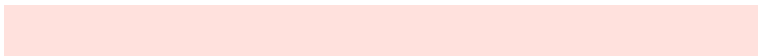
86.6578, 0.3350, 0.3758



86.6578, 0.2680, 0.3224



86.6578, 0.2893, 0.2859



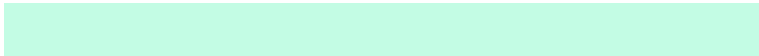
86.6578, 0.3595, 0.3327

Rectangle

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



86.6578, 0.3350, 0.3758



86.6578, 0.2920, 0.3550



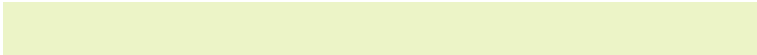
86.6578, 0.2893, 0.2859



86.6578, 0.3327, 0.3049

Sweetspot

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



86.6616, 0.3350, 0.3758



98.5403, 0.3199, 0.3438



67.7437, 0.3474, 0.3371



21.0587, 0.3207, 0.3454



0.0000, 0.0000, 0.0000



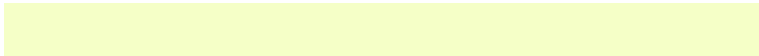
21.4041, 0.3127, 0.3290

Same Dimension

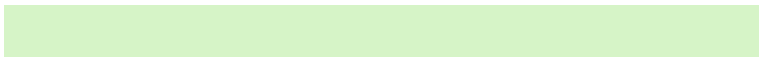
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6616, 0.3350, 0.3758



95.0527, 0.3394, 0.3853



83.1269, 0.3201, 0.3780



19.1556, 0.3241, 0.3526



41.9528, 0.3882, 0.5300



3.7254, 0.3923, 0.5267

Inverse Universe

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



60.6482, 0.2878, 0.2793



61.5604, 0.2822, 0.2684



64.0392, 0.3037, 0.2816



16.0686, 0.3007, 0.3047



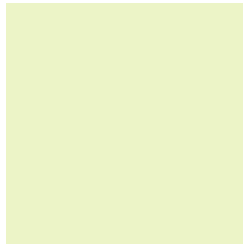
3.8775, 0.1581, 0.0644



0.3796, 0.1685, 0.0702

Previews

White Background



This preview shows how the Yxy color 86.6578, 0.3350, 0.3758 looks on a white background.

Color Contrast Check

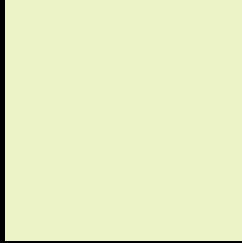
Large Text (above 18pt) WCAG AA × Fail

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 86.6578, 0.3350, 0.3758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

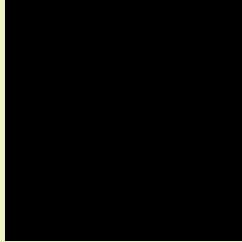
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

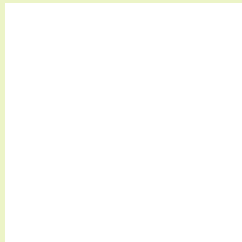
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6578, 0.3350, 0.3758

Background



This preview shows how black text looks on a background with the Yxy color 86.6578, 0.3350, 0.3758.

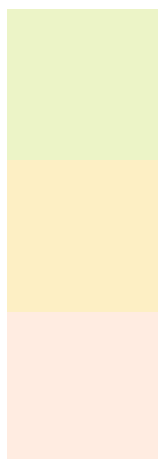


This preview shows how white text looks on a background with the Yxy color 86.6578, 0.3350, 0.3758.

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

86.6578, 0.3350, 0.3758

Protanopia

86.6012, 0.3497, 0.3723

Deuteranopia

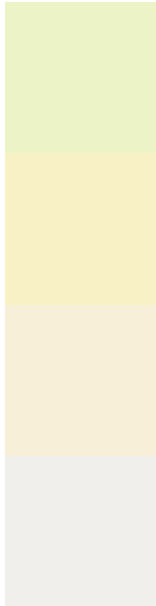
86.6871, 0.3326, 0.3399



Tritanopia

86.4440, 0.3064, 0.3103

Trichromacy



Original Color

86.6578, 0.3350, 0.3758

Protanomaly

86.7160, 0.3444, 0.3738

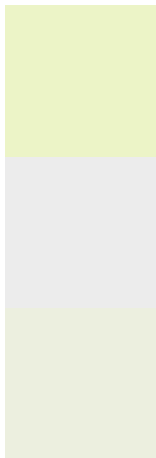
Deuteranomaly

86.6473, 0.3332, 0.3522

Tritanomaly

86.4319, 0.3165, 0.3330

Monochromacy



Original Color

86.6578, 0.3350, 0.3758

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.8936, 0.3206, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6578, 0.3350, 0.3758 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, 244, 199)` looks like.

```
.text, #text, p{  
    color:rgb(236, 244, 199)  
}
```

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, 244, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 244, 199) }
```

Border

The CSS property to change the border of an element to Yxy 86.6578, 0.3350, 0.3758 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, 244, 199) }
```

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

```
.border{ border-color:rgb(236, 244, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 244, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 244, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 244, 199); box-shadow:4px 4px 4px 4px rgb(236, 244, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6578, 0.3350, 0.3758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 244, 199) }
```

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

```
.background{ background-color: rgb(236,  
244, 199) }
```

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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