

Converting Colors

$Y_{xy}(100.0000, 0.4211, 0.3980)$

Have a look what the booklet for
Yxy(100.0000, 0.4211, 0.3980)
contains.

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Color

Yxy(86.0145, 0.3758, 0.4118)

Conversions

Conversions Part 1

Format	Color
Hex	FFF09D
RGB	255, 240, 157
RGB Percent	100%, 94%, 62%
CMY	0.0000, 0.0588, 0.3843
CMYK	0.00, 0.06, 0.38, 0.00
HSL	51°, 100%, 81%
HSV	51°, 38%, 100%
XYZ	78.4950, 86.0145, 44.3649
YIQ	235.0230, 35.5830, -22.6330

Conversions

Conversions Part 2

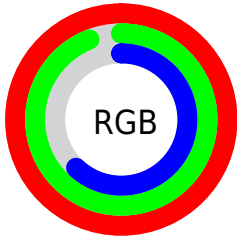
Format	Color
RYB	175, 255, 157
Decimal	16773277
CIELab	94.32, -6.40, 41.93
CIElCh	94, 42.420, 98.684
Yxy	86.0145, 0.3758, 0.4118
Android (android.graphics.Color)	4294963357 (0xFFFFF09D)
YUV	235.0230, -38.4653, 17.5198
Hunter-Lab	92.7440, -11.2263, 36.5589

Details

The Yxy color **86.0145, 0.3758, 0.4118** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.8973, 0.2443, 0.2296**, and the grayscale version is **83.3721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **47.1508, 0.3887, 0.4296** is the 20% darker color. If you saturate the color by 10%, you get **82.9561, 0.3926, 0.4320**, and if you desaturate by 10%, it is **89.2997, 0.3586, 0.3903**.

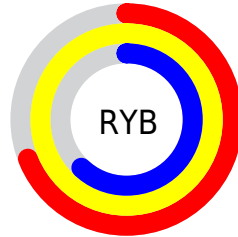
Distribution



Red (100%)

Green (94%)

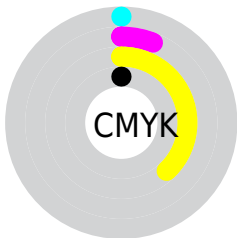
Blue (62%)



Red (69%)

Yellow (100%)

Blue (62%)

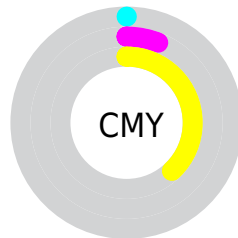


Cyan (0%)

Magenta (6%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.0145, 0.3758, 0.4118 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 86.0145, 0.3758, 0.4118 by changing the saturation by 10% instead.


 86.0145, 0.3758,
0.4118


 86.0145, 0.3758,
0.4118


514.9790, 0.3484,
0.3748

 64.6800, 0.3815,
0.4198


 141.7897, 0.3667,
0.3993

 47.2016, 0.3883,
0.4293


 176.9992, 0.3631,
0.3944

 33.1951, 0.3963,
0.4410


217.6024, 0.3598,
0.3900

 22.2759, 0.4059,
0.4553

263.9839, 0.3570,
0.3863

 14.0598, 0.4173,
0.4732

316.5278, 0.3545,
0.3829

 8.1623, 0.4303,
0.4953

375.6187, 0.3522,

 4.1990, 0.4592,

0.3799

0.5408

441.6410, 0.3502,
0.3772

■ 1.7855, 0.4498,
0.5502

■ 0.4781, 0.3840,
0.6160

■ 86.0145, 0.3758,
0.4118

■ 86.0145, 0.3758,
0.4118

■ 82.9561, 0.3926,
0.4320

■ 89.2997, 0.3586,
0.3903

■ 80.1194, 0.4084,
0.4498

■ 92.8290, 0.3418,
0.3683

■ 77.4892, 0.4225,
0.4642

■ 96.6103, 0.3256,
0.3467

■ 75.0509, 0.4341,
0.4743

100.0000, 0.3127,
0.3290

■ 72.7869, 0.4430,
0.4799

■ 70.6730, 0.4490,
0.4810

■ 70.3494, 0.4498,
0.4810

Harmonies

Analogous

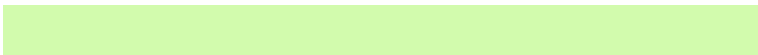
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0145, 0.4043, 0.3865



86.0145, 0.3758, 0.4118



86.0145, 0.3315, 0.4143

Triad

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



86.0145, 0.3758, 0.4118



86.0145, 0.2267, 0.2962



86.0145, 0.3370, 0.2791

Complementary

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



86.0145, 0.3758, 0.4118



43.8973, 0.2443, 0.2296

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.



86.0145, 0.2882, 0.2577



86.0145, 0.3758, 0.4118



86.0145, 0.2278, 0.2646

Square

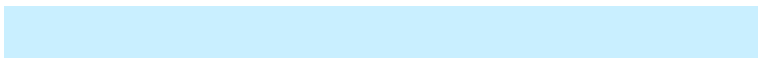
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.0145, 0.3758, 0.4118



86.0145, 0.2465, 0.3421



86.0145, 0.2493, 0.2520



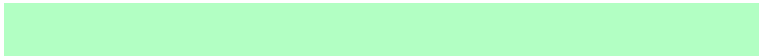
86.0145, 0.3819, 0.3118

Rectangle

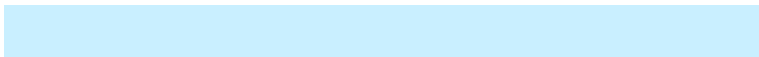
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.0145, 0.3758, 0.4118



86.0145, 0.2995, 0.3997



86.0145, 0.2493, 0.2520



86.0145, 0.3204, 0.2704

Sweetspot

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



86.0123, 0.3758, 0.4118



95.2306, 0.3313, 0.3543



48.4060, 0.3924, 0.3121



20.2770, 0.3334, 0.3572



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

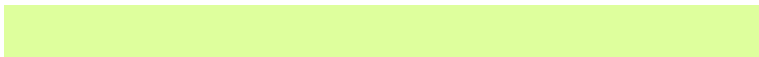
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.0123, 0.3758, 0.4118



83.6778, 0.3886, 0.4273



89.5371, 0.3482, 0.4326



20.5889, 0.3273, 0.3490



36.9380, 0.4492, 0.4815



3.7189, 0.4453, 0.4846

Inverse Universe

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



43.8973, 0.2443, 0.2296



36.2607, 0.2290, 0.2060



42.2405, 0.2648, 0.2182



17.8266, 0.2979, 0.3082



4.6653, 0.1535, 0.0725



0.5792, 0.1582, 0.0895

Previews

White Background



This preview shows how the Yxy color 86.0145, 0.3758, 0.4118 looks on a white background.

Color Contrast Check

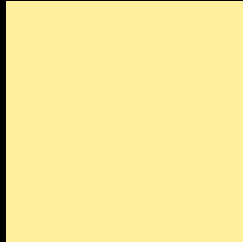
Large Text (above 18pt) WCAG AA × Fail

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 86.0145, 0.3758, 0.4118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

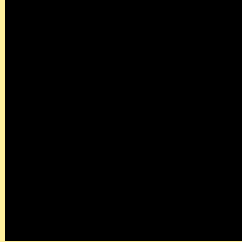
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.0145, 0.3758, 0.4118

Background



This preview shows how black text looks on a background with the Yxy color 86.0145, 0.3758, 0.4118.



This preview shows how white text looks on a background with the Yxy color 86.0145, 0.3758, 0.4118.

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

86.0145, 0.3758, 0.4118

Protanopia

86.2074, 0.3628, 0.3903

Deuteranopia

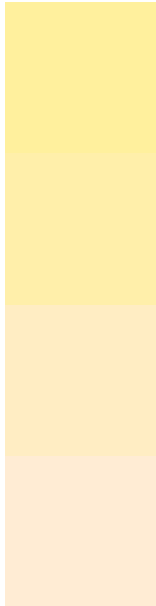
85.6864, 0.3380, 0.3470



Tritanopia

86.0695, 0.3207, 0.3183

Trichromacy



Original Color

86.0145, 0.3758, 0.4118

Protanomaly

85.8953, 0.3680, 0.3982

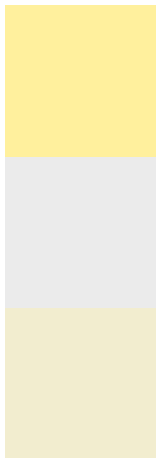
Deuteranomaly

85.7685, 0.3522, 0.3712

Tritanomaly

86.0044, 0.3412, 0.3530

Monochromacy



Original Color

86.0145, 0.3758, 0.4118

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.9506, 0.3351, 0.3599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0145, 0.3758, 0.4118 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, 240, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 157)  
}
```

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, 240, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 157) }
```

Border

The CSS property to change the border of an element to Yxy 86.0145, 0.3758, 0.4118 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, 240, 157) }
```

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

```
.border{ border-color:rgb(255, 240, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 240, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 240, 157); box-shadow:4px 4px 4px 4px rgb(255, 240, 157) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0145, 0.3758, 0.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 157) }
```

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

```
.background{ background-color: rgb(255,  
240, 157) }
```

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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