

Converting Colors

$Y_{xy}(147.0924, 0.4909, 0.3614)$

Have a look what the booklet for
Yxy(147.0924, 0.4909, 0.3614)
contains.

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Color

Yxy(85.0427, 0.3634, 0.3884)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDB2
RGB	255, 237, 178
RGB Percent	100%, 93%, 70%
CMY	0.0000, 0.0706, 0.3019
CMYK	0.00, 0.07, 0.30, 0.00
HSL	46°, 100%, 85%
HSV	46°, 30%, 100%
XYZ	79.5688, 85.0427, 54.3450
YIQ	235.6560, 29.6670, -14.5330

Conversions

Conversions Part 2

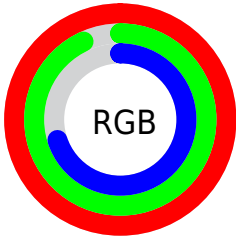
Format	Color
RYB	201, 255, 178
Decimal	16772530
CIELab	93.90, -2.48, 30.84
CIELCh	94, 30.938, 94.594
Yxy	85.0427, 0.3634, 0.3884
Android (android.graphics.Color)	4294962610 (0xFFFFEDB2)
YUV	235.6560, -28.4244, 16.9647
Hunter-Lab	92.2186, -7.3678, 29.6130

Details

The Yxy color **85.0427, 0.3634, 0.3884** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.1725, 0.2614, 0.2615**, and the grayscale version is **83.8066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **46.3987, 0.3737, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **80.7141, 0.3819, 0.4081**, and if you desaturate by 10%, it is **89.6730, 0.3455, 0.3683**.

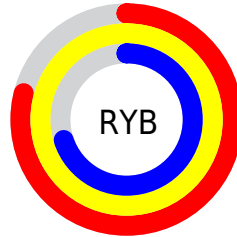
Distribution



Red (100%)

Green (93%)

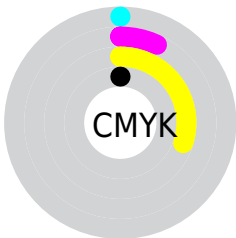
Blue (70%)



Red (79%)

Yellow (100%)

Blue (70%)

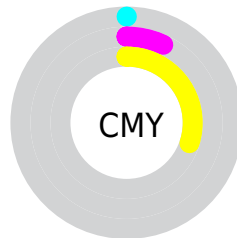


Cyan (0%)

Magenta (7%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (7%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0427, 0.3634, 0.3884 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 85.0427, 0.3634, 0.3884 by changing the saturation by 10% instead.


 85.0427, 0.3634,
0.3884

 85.0427, 0.3634,
0.3884

511.7694, 0.3409,
0.3618

 63.8767, 0.3683,
0.3942


 140.4328, 0.3558,
0.3794

 46.5508, 0.3741,
0.4013


175.4257, 0.3528,
0.3758

 32.6807, 0.3813,
0.4100


215.7963, 0.3502,
0.3727

 21.8819, 0.3903,
0.4209

261.9291, 0.3479,
0.3700

 13.7702, 0.4016,
0.4350

314.2084, 0.3458,
0.3675

 7.9610, 0.4162,
0.4534

373.0186, 0.3440,

 4.0700, 0.4358,

0.3654

0.4789

438.7441, 0.3424,
0.3635

■ 1.7128, 0.4728,
0.5272

■ 0.4319, 0.4476,
0.5524

■ 85.0427, 0.3634,
0.3884

■ 85.0427, 0.3634,
0.3884

■ 80.7141, 0.3819,
0.4081

■ 89.6730, 0.3455,
0.3683

■ 76.6808, 0.4006,
0.4265

■ 94.6211, 0.3286,
0.3484

■ 72.9284, 0.4186,
0.4426

■ 99.8955, 0.3130,
0.3294

■ 69.4428, 0.4351,
0.4552

■ 100.0000, 0.3127,
0.3290

■ 66.2079, 0.4493,
0.4634

■ 63.2050, 0.4605,
0.4668

■ 60.4557, 0.4689,
0.4659

Harmonies

Analogous

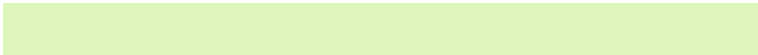
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0427, 0.3814, 0.3694



85.0427, 0.3634, 0.3884



85.0427, 0.3322, 0.3914

Triad

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



85.0427, 0.3634, 0.3884



85.0427, 0.2496, 0.3100



85.0427, 0.3260, 0.2888

Complementary

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



85.0427, 0.3634, 0.3884



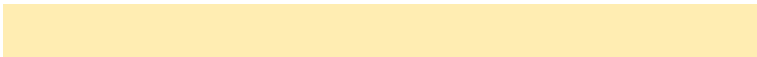
56.1725, 0.2614, 0.2615

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.



85.0427, 0.2905, 0.2740



85.0427, 0.3634, 0.3884



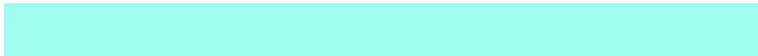
85.0427, 0.2481, 0.2843

Square

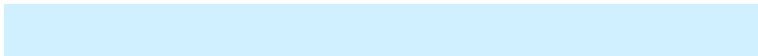
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0427, 0.3634, 0.3884



85.0427, 0.2670, 0.3438



85.0427, 0.2626, 0.2720



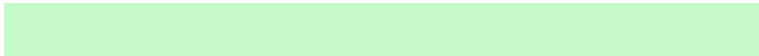
85.0427, 0.3594, 0.3130

Rectangle

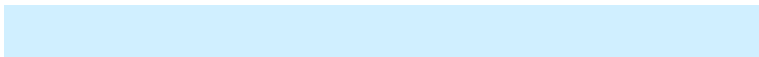
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0427, 0.3634, 0.3884



85.0427, 0.3085, 0.3824



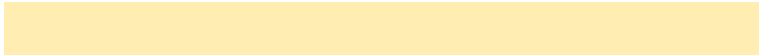
85.0427, 0.2626, 0.2720



85.0427, 0.3138, 0.2826

Sweetspot

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



85.0409, 0.3634, 0.3884



95.2325, 0.3267, 0.3461



57.1480, 0.3639, 0.3091



20.2241, 0.3290, 0.3490



0.0000, 0.0000, 0.0000



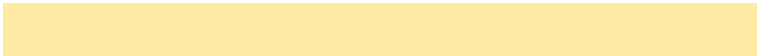
21.4041, 0.3127, 0.3290

Same Dimension

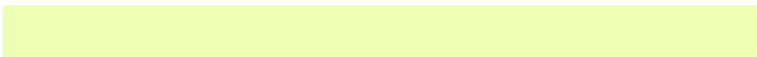
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0409, 0.3634, 0.3884



82.4915, 0.3741, 0.4000



92.5253, 0.3454, 0.4082



20.3282, 0.3275, 0.3471



31.8293, 0.4679, 0.4667



3.2651, 0.4612, 0.4720

Inverse Universe

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



56.1725, 0.2614, 0.2615



49.5865, 0.2504, 0.2460



50.9701, 0.2724, 0.2433



18.0670, 0.2979, 0.3102



5.6283, 0.1570, 0.0853



0.7064, 0.1627, 0.1056

Previews

White Background



This preview shows how the Yxy color 85.0427, 0.3634, 0.3884 looks on a white background.

Color Contrast Check

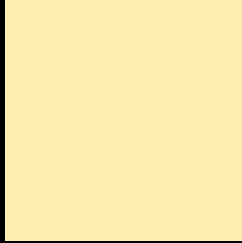
Large Text (above 18pt) WCAG AA × Fail

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 85.0427, 0.3634, 0.3884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

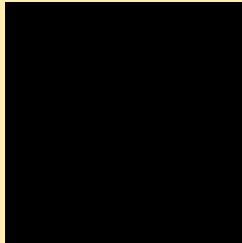
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.0427, 0.3634, 0.3884

Background



This preview shows how black text looks on a background with the Yxy color 85.0427, 0.3634, 0.3884.



This preview shows how white text looks on a background with the Yxy color 85.0427, 0.3634, 0.3884.

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

85.0427, 0.3634, 0.3884

Protanopia

84.8536, 0.3627, 0.3886

Deuteranopia

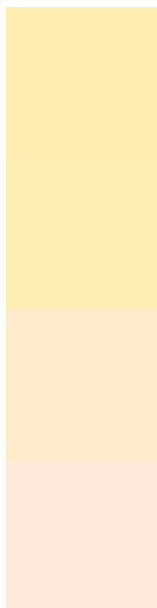
85.1154, 0.3382, 0.3460



Tritanopia

84.8829, 0.3214, 0.3173

Trichromacy



Original Color

85.0427, 0.3634, 0.3884

Protanomaly

84.8536, 0.3627, 0.3886

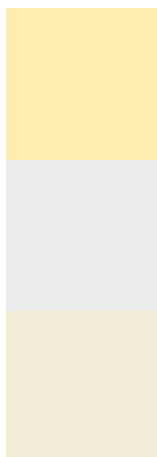
Deuteranomaly

84.9885, 0.3473, 0.3612

Tritanomaly

84.6523, 0.3370, 0.3430

Monochromacy



Original Color

85.0427, 0.3634, 0.3884

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.9519, 0.3308, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0427, 0.3634, 0.3884 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, 237, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 178)  
}
```

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, 237, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 178) }
```

Border

The CSS property to change the border of an element to Yxy 85.0427, 0.3634, 0.3884 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, 237, 178) }
```

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

```
.border{ border-color:rgb(255, 237, 178) }
```

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

Here you see how a box with a 4 pixel rgb(255, 237, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0427, 0.3634, 0.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 178) }
```

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

```
.background{ background-color: rgb(255,  
237, 178) }
```

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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