

Converting Colors

$Y_{xy}(100.0000, 0.4085, 0.3762)$

Have a look what the booklet for
Yxy(100.0000, 0.4085, 0.3762)
contains.

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Color

Yxy(85.1646, 0.3614, 0.3854)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDB5
RGB	255, 237, 181
RGB Percent	100%, 93%, 71%
CMY	0.0001, 0.0705, 0.2901
CMYK	0.00, 0.07, 0.29, 0.00
HSL	45°, 100%, 85%
HSV	45°, 29%, 100%
XYZ	79.8611, 85.1646, 55.9514
YIQ	235.9980, 28.7040, -13.6000

Conversions

Conversions Part 2

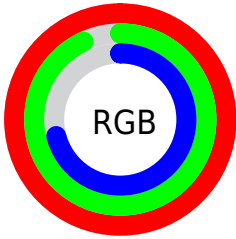
Format	Color
R _Y B	205, 255, 181
Decimal	16772533
CIE Lab	93.95, -2.13, 29.38
CIE LCh	94, 29.459, 94.142
Yxy	85.1646, 0.3614, 0.3854
Android (android.graphics.Color)	4294962613 (0xFFFFEDB5)
YUV	235.9980, -27.1140, 16.6648
Hunter-Lab	92.2847, -7.0281, 28.6522

Details

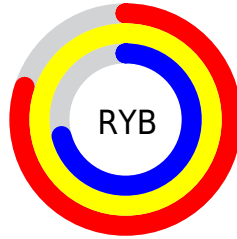
The Yxy color **85.1646, 0.3614, 0.3854** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.8849, 0.2637, 0.2653**, and the grayscale version is **84.0758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **46.4766, 0.3713, 0.3971** is the 20% darker color. If you saturate the color by 10%, you get **80.6895, 0.3801, 0.4050**, and if you desaturate by 10%, it is **89.9629, 0.3435, 0.3655**.

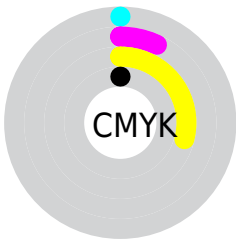
Distribution



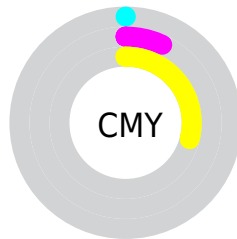
- Red (100%)
- Green (93%)
- Blue (71%)



- 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 85.1646, 0.3614, 0.3854 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 85.1646, 0.3614, 0.3854 by changing the saturation by 10% instead.


 85.1646, 0.3614,
0.3854

 85.1646, 0.3614,
0.3854


512.1726, 0.3397,
0.3601

 63.9774, 0.3661,
0.3909


 140.6031, 0.3541,
0.3768

 46.6324, 0.3718,
0.3977


175.6232, 0.3512,
0.3734

 32.7451, 0.3787,
0.4059


216.0231, 0.3486,
0.3705

 21.9313, 0.3874,
0.4164

262.1871, 0.3464,
0.3679

 13.8064, 0.3985,
0.4298

314.4997, 0.3445,
0.3656

 7.9861, 0.4130,
0.4476

373.3452, 0.3427,

 4.0861, 0.4320,

0.3636

0.4718

439.1080, 0.3412,
0.3617

■ 1.7218, 0.4749,
0.5251

■ 0.4377, 0.4541,
0.5459

■ 85.1646, 0.3614,
0.3854

■ 85.1646, 0.3614,
0.3854

■ 80.6895, 0.3801,
0.4050

■ 89.9629, 0.3435,
0.3655

■ 76.5144, 0.3989,
0.4234

■ 95.0838, 0.3267,
0.3459

■ 72.6304, 0.4173,
0.4397

99.9969, 0.3127,
0.3290

■ 69.0235, 0.4344,
0.4526

■ 65.6778, 0.4493,
0.4613

■ 62.5747, 0.4613,
0.4651

■ 59.6874, 0.4703,
0.4643

■ 59.4100, 0.4711,
0.4641

Harmonies

Analogous

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



85.1646, 0.3782, 0.3673



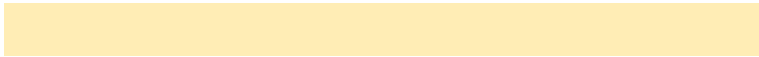
85.1646, 0.3614, 0.3854



85.1646, 0.3318, 0.3884

Triad

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



85.1646, 0.3614, 0.3854



85.1646, 0.2527, 0.3115



85.1646, 0.3249, 0.2903

Complementary

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



85.1646, 0.3614, 0.3854



57.8849, 0.2637, 0.2653

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.



85.1646, 0.2911, 0.2763



85.1646, 0.3614, 0.3854



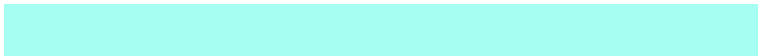
85.1646, 0.2510, 0.2867

Square

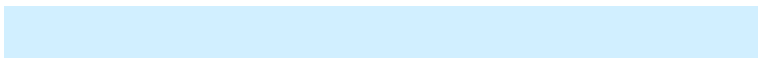
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1646, 0.3614, 0.3854



85.1646, 0.2695, 0.3436



85.1646, 0.2646, 0.2747



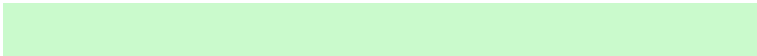
85.1646, 0.3568, 0.3134

Rectangle

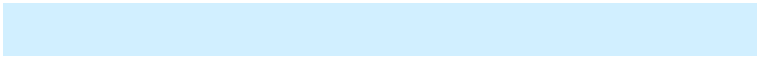
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.1646, 0.3614, 0.3854



85.1646, 0.3093, 0.3800



85.1646, 0.2646, 0.2747



85.1646, 0.3133, 0.2845

Sweetspot

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



85.1685, 0.3614, 0.3854



95.1027, 0.3267, 0.3459



58.4572, 0.3612, 0.3099



20.1919, 0.3291, 0.3487



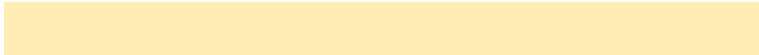
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

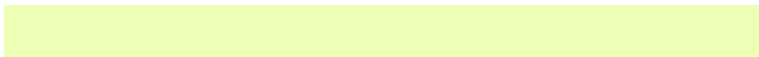
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1685, 0.3614, 0.3854



82.4601, 0.3725, 0.3972



92.7636, 0.3442, 0.4049



20.2989, 0.3275, 0.3469



31.2929, 0.4701, 0.4649



3.2169, 0.4631, 0.4705

Inverse Universe

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



57.8849, 0.2637, 0.2653



51.0257, 0.2524, 0.2497



52.4836, 0.2743, 0.2471



18.0944, 0.2979, 0.3105



5.7634, 0.1575, 0.0871



0.7230, 0.1633, 0.1077

Previews

White Background



This preview shows how the Yxy color 85.1646, 0.3614, 0.3854 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 85.1646, 0.3614, 0.3854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

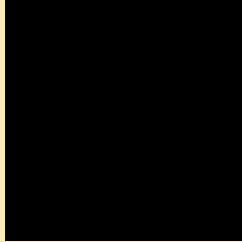
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.1646, 0.3614, 0.3854

Background



This preview shows how black text looks on a background with the Yxy color 85.1646, 0.3614, 0.3854.



This preview shows how white text looks on a background with the Yxy color 85.1646, 0.3614, 0.3854.

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

85.1646, 0.3614, 0.3854

Protanopia

84.9754, 0.3607, 0.3855

Deuteranopia

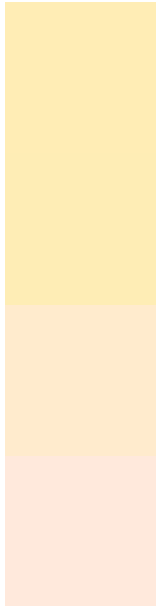
85.1676, 0.3375, 0.3450



Tritanopia

84.8829, 0.3214, 0.3173

Trichromacy



Original Color

85.1646, 0.3614, 0.3854

Protanomaly

84.9754, 0.3607, 0.3855

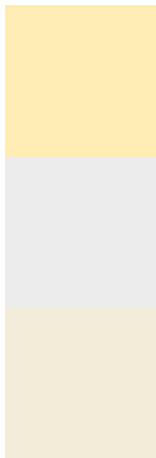
Deuteranomaly

85.0844, 0.3460, 0.3591

Tritanomaly

84.7051, 0.3363, 0.3420

Monochromacy



Original Color

85.1646, 0.3614, 0.3854

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.0035, 0.3301, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1646, 0.3614, 0.3854 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 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, 237, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 181) }
```

Border

The CSS property to change the border of an element to Yxy 85.1646, 0.3614, 0.3854 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, 181) }
```

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

```
.border{ border-color:rgb(255, 237, 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, 237, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1646, 0.3614, 0.3854 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, 181) }
```

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

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