

Converting Colors

$Y_{xy}(100.0000, 0.3996, 0.3929)$

Have a look what the booklet for
Yxy(100.0000, 0.3996, 0.3929)
contains.

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Color

Yxy(89.5434, 0.3649, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	FFF5AC
RGB	255, 245, 172
RGB Percent	100%, 96%, 67%
CMY	0.0000, 0.0392, 0.3255
CMYK	0.00, 0.04, 0.33, 0.00
HSL	53°, 100%, 84%
HSV	53°, 33%, 100%
XYZ	81.3403, 89.5434, 52.0275
YIQ	239.6680, 29.3930, -20.5830

Conversions

Conversions Part 2

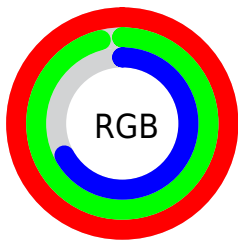
Format	Color
RYB	183, 255, 172
Decimal	16774572
CIELab	95.81, -7.22, 36.41
CIELCh	96, 37.121, 101.215
Yxy	89.5434, 0.3649, 0.4017
Android (android.graphics.Color)	4294964652 (0xFFFFF5AC)
YUV	239.6680, -33.3603, 13.4462
Hunter-Lab	94.6274, -12.1620, 33.6407

Details

The Yxy color **89.5434, 0.3649, 0.4017** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.4470, 0.2556, 0.2440**, and the grayscale version is **87.1149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **49.5974, 0.3749, 0.4174** is the 20% darker color. If you saturate the color by 10%, you get **86.8161, 0.3814, 0.4234**, and if you desaturate by 10%, it is **92.4959, 0.3483, 0.3791**.

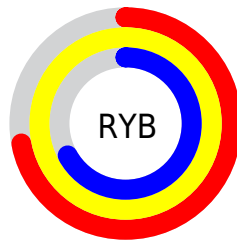
Distribution



Red (100%)

Green (96%)

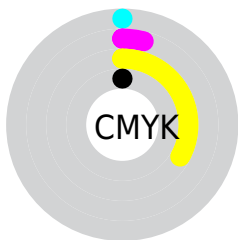
Blue (67%)



Red (72%)

Yellow (100%)

Blue (67%)

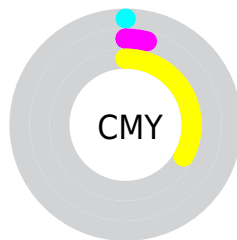


Cyan (0%)

Magenta (4%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (4%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5434, 0.3649, 0.4017 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 89.5434, 0.3649, 0.4017 by changing the saturation by 10% instead.

 89.5434, 0.3649,
0.4017

 89.5434, 0.3649,
0.4017

526.5444, 0.3423,
0.3692

 67.6020, 0.3697,
0.4088

 146.7040, 0.3574,
0.3907

 49.5740, 0.3753,
0.4173

182.6920, 0.3543,
0.3863

 35.0750, 0.3821,
0.4278


224.1310, 0.3517,
0.3825

 23.7207, 0.3903,
0.4408

271.4053, 0.3494,
0.3792

 15.1266, 0.4004,
0.4575

324.8994, 0.3473,
0.3763

 8.9083, 0.4126,
0.4790

384.9977, 0.3454,

 4.6814, 0.4286,

0.3737

0.5098

452.0846, 0.3438,
0.3713

■ 2.0616, 0.4469,
0.5531

■ 0.6429, 0.4035,
0.5965

■ 89.5434, 0.3649,
0.4017

■ 89.5434, 0.3649,
0.4017

■ 86.8161, 0.3814,
0.4234

■ 92.4959, 0.3483,
0.3791

■ 84.2935, 0.3971,
0.4432

■ 95.6741, 0.3320,
0.3565

■ 81.9667, 0.4113,
0.4601

■ 99.0906, 0.3165,
0.3345

■ 79.8223, 0.4234,
0.4733

100.0000, 0.3127,
0.3290

■ 77.8448, 0.4328,
0.4819

■ 76.0153, 0.4393,
0.4860

■ 74.7276, 0.4427,
0.4867

Harmonies

Analogous

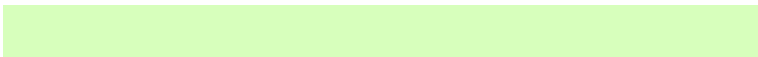
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5434, 0.3907, 0.3819



89.5434, 0.3649, 0.4017



89.5434, 0.3260, 0.4010

Triad

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



89.5434, 0.3649, 0.4017



89.5434, 0.2370, 0.2983



89.5434, 0.3375, 0.2875

Complementary

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



89.5434, 0.3649, 0.4017



49.4470, 0.2556, 0.2440

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.



89.5434, 0.2951, 0.2676



89.5434, 0.3649, 0.4017



89.5434, 0.2395, 0.2717

Square

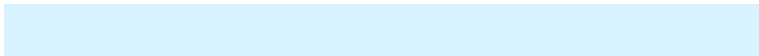
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.5434, 0.3649, 0.4017



89.5434, 0.2531, 0.3371



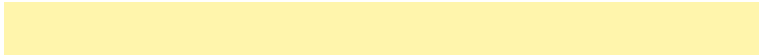
89.5434, 0.2599, 0.2615



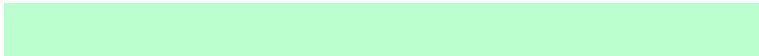
89.5434, 0.3750, 0.3171

Rectangle

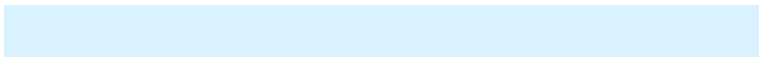
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.5434, 0.3649, 0.4017



89.5434, 0.2983, 0.3870



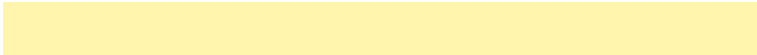
89.5434, 0.2599, 0.2615



89.5434, 0.3233, 0.2796

Sweetspot

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



89.5466, 0.3649, 0.4017



96.5214, 0.3280, 0.3508



54.1887, 0.3783, 0.3176



20.5591, 0.3302, 0.3540



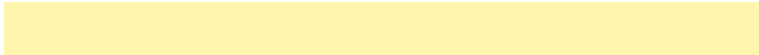
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

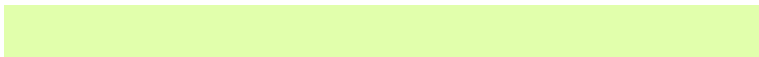
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5466, 0.3649, 0.4017



87.7602, 0.3756, 0.4159



90.4370, 0.3414, 0.4165



20.6952, 0.3272, 0.3497



39.1946, 0.4423, 0.4870



3.9170, 0.4393, 0.4894

Inverse Universe

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



49.4470, 0.2556, 0.2440



42.0739, 0.2425, 0.2238



49.3444, 0.2757, 0.2375



17.7300, 0.2979, 0.3074



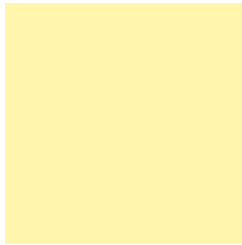
4.3867, 0.1524, 0.0687



0.5340, 0.1565, 0.0834

Previews

White Background



This preview shows how the Yxy color 89.5434, 0.3649, 0.4017 looks on a white background.

Color Contrast Check

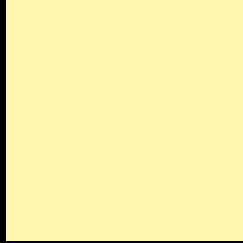
Large Text (above 18pt) WCAG AA × Fail

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 89.5434, 0.3649, 0.4017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

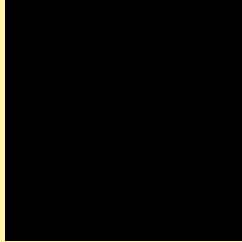
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.5434, 0.3649, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 89.5434, 0.3649, 0.4017.



This preview shows how white text looks on a background with the Yxy color 89.5434, 0.3649, 0.4017.

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

89.5434, 0.3649, 0.4017

Protanopia

89.6255, 0.3464, 0.3699

Deuteranopia

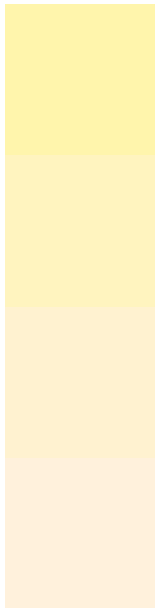
89.1816, 0.3302, 0.3409



Tritanopia

89.1864, 0.3178, 0.3193

Trichromacy



Original Color

89.5434, 0.3649, 0.4017

Protanomaly

89.7230, 0.3532, 0.3819

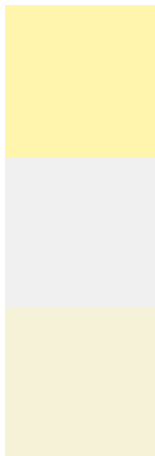
Deuteranomaly

89.3183, 0.3428, 0.3628

Tritanomaly

89.3379, 0.3352, 0.3498

Monochromacy



Original Color

89.5434, 0.3649, 0.4017

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.8230, 0.3314, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5434, 0.3649, 0.4017 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, 245, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 172)  
}
```

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, 245, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 172) }
```

Border

The CSS property to change the border of an element to Yxy 89.5434, 0.3649, 0.4017 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, 245, 172) }
```

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

```
.border{ border-color:rgb(255, 245, 172) }
```

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

Here you see how a box with a 4 pixel rgb(255, 245, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5434, 0.3649, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 172) }
```

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

```
.background{ background-color: rgb(255,  
245, 172) }
```

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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