

Converting Colors

$Y_{xy}(100.0000, 0.3969, 0.3918)$

Have a look what the booklet for
Yxy(100.0000, 0.3969, 0.3918)
contains.

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Color

Yxy(89.6208, 0.3637, 0.3997)

Conversions

Conversions Part 1

Format	Color
Hex	FFF5AE
RGB	255, 245, 174
RGB Percent	100%, 96%, 68%
CMY	0.0000, 0.0393, 0.3176
CMYK	0.00, 0.04, 0.32, 0.00
HSL	53°, 100%, 84%
HSV	53°, 32%, 100%
XYZ	81.5489, 89.6208, 53.0505
YIQ	239.8960, 28.7510, -19.9610

Conversions

Conversions Part 2

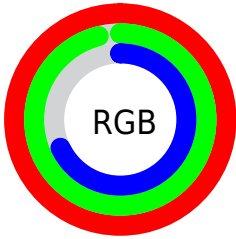
Format	Color
R_{YB}	185, 255, 174
Decimal	16774574
CIE Lab	95.84, -6.95, 35.45
CIE LCh	96, 36.125, 101.097
Yxy	89.6208, 0.3637, 0.3997
Android (android.graphics.Color)	4294964654 (0xFFFFF5AE)
YUV	239.8960, -32.4867, 13.2462
Hunter-Lab	94.6683, -11.9065, 33.0427

Details

The Yxy color **89.6208, 0.3637, 0.3997** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.5118, 0.2572, 0.2467**, and the grayscale version is **87.2885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **49.6460, 0.3734, 0.4150** is the 20% darker color. If you saturate the color by 10%, you get **86.8207, 0.3802, 0.4214**, and if you desaturate by 10%, it is **92.6285, 0.3470, 0.3772**.

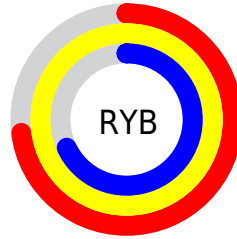
Distribution



Red (100%)

Green (96%)

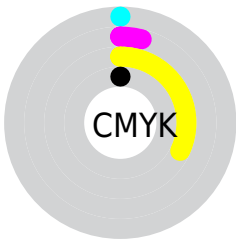
Blue (68%)



Red (73%)

Yellow (100%)

Blue (68%)

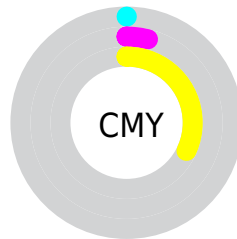


Cyan (0%)

Magenta (4%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6208, 0.3637, 0.3997 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 89.6208, 0.3637, 0.3997 by changing the saturation by 10% instead.

 89.6208, 0.3637,
0.3997

 89.6208, 0.3637,
0.3997


526.7966, 0.3415,
0.3681

 67.6662, 0.3684,
0.4066


 146.8116, 0.3563,
0.3890

 49.6262, 0.3739,
0.4149


182.8165, 0.3534,
0.3848

 35.1165, 0.3806,
0.4251


224.2736, 0.3508,
0.3811

 23.7526, 0.3888,
0.4379

271.5674, 0.3485,
0.3778

 15.1502, 0.3988,
0.4542

325.0822, 0.3465,
0.3750

 8.9249, 0.4109,
0.4754

385.2024, 0.3446,

 4.6922, 0.4266,

0.3724

0.5050

452.3124, 0.3430,
0.3701

■ 2.0678, 0.4485,
0.5515

■ 0.6464, 0.4075,
0.5925

■ 89.6208, 0.3637,
0.3997

■ 89.6208, 0.3637,
0.3997

■ 86.8207, 0.3802,
0.4214

■ 92.6285, 0.3470,
0.3772

■ 84.2379, 0.3961,
0.4414

■ 95.8744, 0.3308,
0.3547

■ 81.8535, 0.4105,
0.4585

■ 99.3610, 0.3153,
0.3328

■ 79.6543, 0.4229,
0.4720

100.0000, 0.3127,
0.3290

■ 77.6248, 0.4326,
0.4810

■ 75.7466, 0.4395,
0.4854

■ 74.2896, 0.4434,
0.4861

Harmonies

Analogous

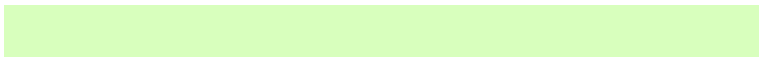
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6208, 0.3887, 0.3805



89.6208, 0.3637, 0.3997



89.6208, 0.3259, 0.3990

Triad

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



89.6208, 0.3637, 0.3997



89.6208, 0.2390, 0.2993



89.6208, 0.3367, 0.2885

Complementary

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



89.6208, 0.3637, 0.3997



50.5118, 0.2572, 0.2467

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.



89.6208, 0.2955, 0.2691



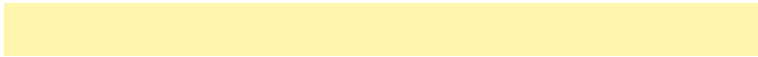
89.6208, 0.3637, 0.3997



89.6208, 0.2413, 0.2733

Square

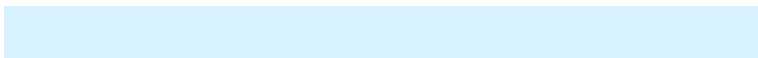
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.6208, 0.3637, 0.3997



89.6208, 0.2548, 0.3371



89.6208, 0.2612, 0.2632



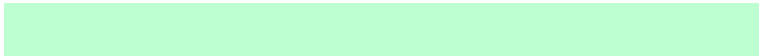
89.6208, 0.3732, 0.3173

Rectangle

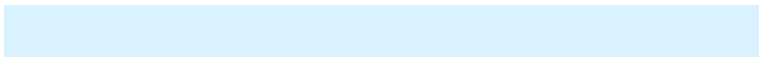
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.6208, 0.3637, 0.3997



89.6208, 0.2989, 0.3854



89.6208, 0.2612, 0.2632



89.6208, 0.3228, 0.2807

Sweetspot

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



89.6140, 0.3637, 0.3997



96.4702, 0.3280, 0.3507



55.0321, 0.3761, 0.3179



20.5466, 0.3302, 0.3539



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

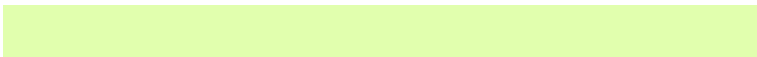
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6140, 0.3637, 0.3997



87.8455, 0.3740, 0.4134



90.6331, 0.3407, 0.4142



20.6848, 0.3272, 0.3496



38.9689, 0.4429, 0.4865



3.8973, 0.4399, 0.4890

Inverse Universe

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



50.5118, 0.2572, 0.2467



43.2785, 0.2446, 0.2274



50.2935, 0.2768, 0.2400



17.7394, 0.2979, 0.3075



4.4113, 0.1525, 0.0690



0.5384, 0.1567, 0.0840

Previews

White Background



This preview shows how the Yxy color 89.6208, 0.3637, 0.3997 looks on a white background.

Color Contrast Check

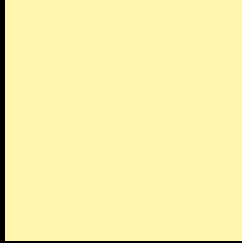
Large Text (above 18pt) WCAG AA × Fail

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 89.6208, 0.3637, 0.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

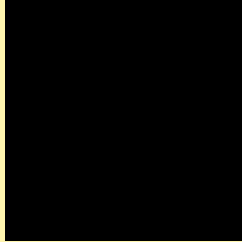
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.6208, 0.3637, 0.3997

Background



This preview shows how black text looks on a background with the Yxy color 89.6208, 0.3637, 0.3997.

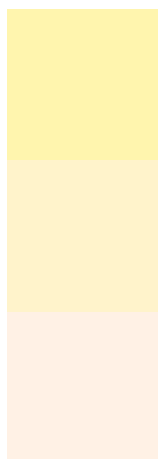


This preview shows how white text looks on a background with the Yxy color 89.6208, 0.3637, 0.3997.

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

89.6208, 0.3637, 0.3997

Protanopia

89.6730, 0.3458, 0.3688

Deuteranopia

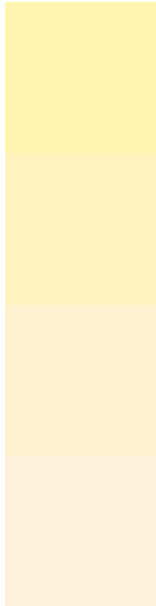
89.8277, 0.3295, 0.3408



Tritanopia

89.8326, 0.3171, 0.3193

Trichromacy



Original Color

89.6208, 0.3637, 0.3997

Protanomaly

89.7671, 0.3526, 0.3809

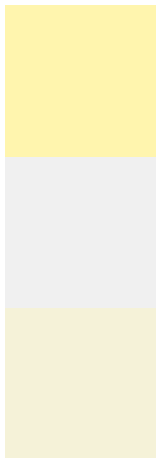
Deuteranomaly

89.3677, 0.3421, 0.3618

Tritanomaly

89.4445, 0.3339, 0.3478

Monochromacy



Original Color

89.6208, 0.3637, 0.3997

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.8746, 0.3308, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6208, 0.3637, 0.3997 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 174) }
```

Border

The CSS property to change the border of an element to Yxy 89.6208, 0.3637, 0.3997 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, 174) }
```

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

```
.border{ border-color:rgb(255, 245, 174) }
```

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, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6208, 0.3637, 0.3997 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, 174) }
```

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

```
.background{ background-color: rgb(255,  
245, 174) }
```

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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