

Converting Colors

$Y_{xy}(102.7205, 0.3988, 0.3796)$

Have a look what the booklet for
Yxy(102.7205, 0.3988, 0.3796)
contains.

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Color

Yxy(89.4641, 0.3570, 0.3879)

Conversions

Conversions Part 1

Format	Color
Hex	FFF4B9
RGB	255, 244, 185
RGB Percent	100%, 96%, 73%
CMY	0.0002, 0.0431, 0.2744
CMYK	0.00, 0.04, 0.27, 0.00
HSL	51°, 100%, 86%
HSV	51°, 27%, 100%
XYZ	82.3374, 89.4641, 58.8355
YIQ	240.5630, 25.4950, -16.0170

Conversions

Conversions Part 2

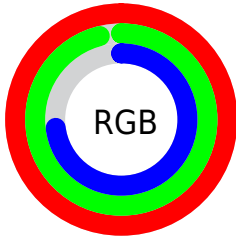
Format	Color
R_{YB}	198, 255, 185
Decimal	16774329
CIE _{Lab}	95.77, -5.15, 29.81
CIE _{LCh}	96, 30.254, 99.792
Yxy	89.4641, 0.3570, 0.3879
Android (android.graphics.Color)	4294964409 (0xFFFFF4B9)
YUV	240.5630, -27.3926, 12.6612
Hunter-Lab	94.5855, -10.1389, 29.3293

Details

The Yxy color **89.4641, 0.3570, 0.3879** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.9939, 0.2659, 0.2623**, and the grayscale version is **87.8053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **49.6109, 0.3670, 0.4013** is the 20% darker color. If you saturate the color by 10%, you get **86.1116, 0.3742, 0.4094**, and if you desaturate by 10%, it is **93.0697, 0.3401, 0.3660**.

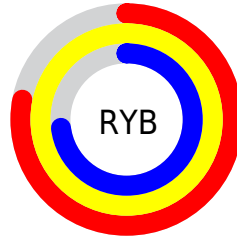
Distribution



Red (100%)

Green (96%)

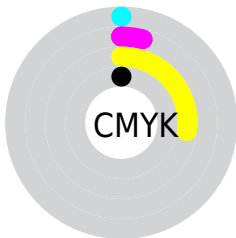
Blue (73%)



Red (78%)

Yellow (100%)

Blue (73%)

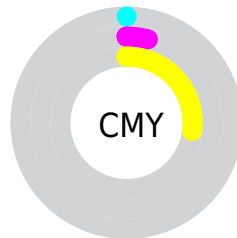


Cyan (0%)

Magenta (4%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.4641, 0.3570, 0.3879 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 89.4641, 0.3570, 0.3879 by changing the saturation by 10% instead.


 89.4641, 0.3570,
0.3879

 89.4641, 0.3570,
0.3879

526.2860, 0.3376,
0.3615

 67.5363, 0.3612,
0.3937


 146.5938, 0.3505,
0.3790

 49.5206, 0.3661,
0.4007


182.5644, 0.3479,
0.3754

 35.0326, 0.3722,
0.4093


223.9848, 0.3456,
0.3723

 23.6880, 0.3797,
0.4202

271.2392, 0.3436,
0.3697

 15.1023, 0.3892,
0.4342

324.7122, 0.3419,
0.3673

 8.8912, 0.4014,
0.4529

384.7880, 0.3403,

 4.6703, 0.4168,

0.3652

0.4784

451.8512, 0.3389,
0.3633

■ 2.0551, 0.4587,
0.5413

■ 0.6392, 0.4299,
0.5701

■ 89.4641, 0.3570,
0.3879

■ 89.4641, 0.3570,
0.3879

■ 86.1116, 0.3742,
0.4094

■ 93.0697, 0.3401,
0.3660

■ 82.9895, 0.3911,
0.4297

■ 96.9261, 0.3240,
0.3445

■ 80.0902, 0.4072,
0.4477

99.9921, 0.3127,
0.3290

■ 77.4007, 0.4215,
0.4625

■ 74.9066, 0.4336,
0.4731

■ 72.5907, 0.4428,
0.4790

■ 70.4310, 0.4492,
0.4805

■ 69.8933, 0.4506,
0.4804

Harmonies

Analogous

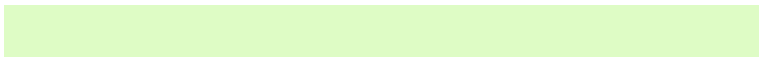
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4641, 0.3770, 0.3719



89.4641, 0.3570, 0.3879



89.4641, 0.3256, 0.3875

Triad

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



89.4641, 0.3570, 0.3879



89.4641, 0.2505, 0.3058



89.4641, 0.3315, 0.2937

Complementary

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



89.4641, 0.3570, 0.3879



56.9939, 0.2659, 0.2623

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.



89.4641, 0.2970, 0.2776



89.4641, 0.3570, 0.3879



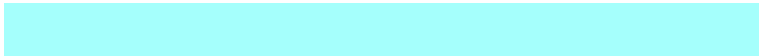
89.4641, 0.2518, 0.2829

Square

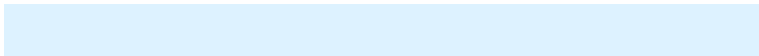
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.4641, 0.3570, 0.3879



89.4641, 0.2648, 0.3375



89.4641, 0.2683, 0.2734



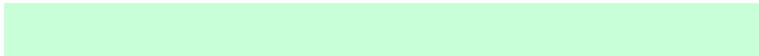
89.4641, 0.3622, 0.3183

Rectangle

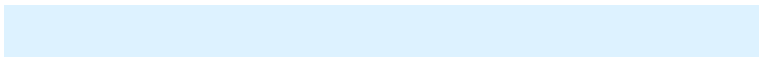
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.4641, 0.3570, 0.3879



89.4641, 0.3029, 0.3767



89.4641, 0.2683, 0.2734



89.4641, 0.3199, 0.2872

Sweetspot

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



89.4681, 0.3570, 0.3879



96.7360, 0.3249, 0.3457



59.9732, 0.3627, 0.3170



20.5782, 0.3273, 0.3489



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

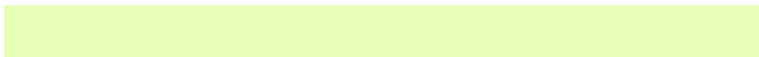
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4681, 0.3570, 0.3879



87.6022, 0.3666, 0.4000



92.0934, 0.3386, 0.4015



20.5782, 0.3273, 0.3489



36.7160, 0.4500, 0.4809



3.6994, 0.4459, 0.4842

Inverse Universe

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



56.9939, 0.2659, 0.2623



50.1472, 0.2551, 0.2462



55.3800, 0.2810, 0.2530



17.8364, 0.2979, 0.3083



4.6968, 0.1536, 0.0729



0.5838, 0.1584, 0.0901

Previews

White Background



This preview shows how the Yxy color 89.4641, 0.3570, 0.3879 looks on a white background.

Color Contrast Check

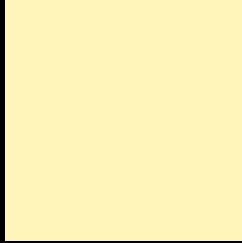
Large Text (above 18pt) WCAG AA × Fail

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 89.4641, 0.3570, 0.3879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

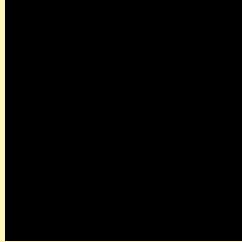
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.4641, 0.3570, 0.3879

Background



This preview shows how black text looks on a background with the Yxy color 89.4641, 0.3570, 0.3879.



This preview shows how white text looks on a background with the Yxy color 89.4641, 0.3570, 0.3879.

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

89.4641, 0.3570, 0.3879

Protanopia

89.6730, 0.3458, 0.3688

Deuteranopia

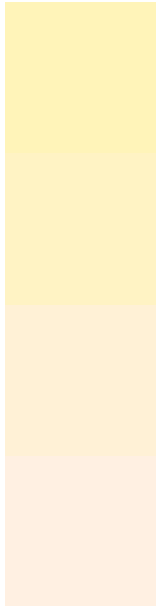
89.2933, 0.3290, 0.3389



Tritanopia

89.2486, 0.3172, 0.3184

Trichromacy



Original Color

89.4641, 0.3570, 0.3879

Protanomaly

89.3467, 0.3503, 0.3759

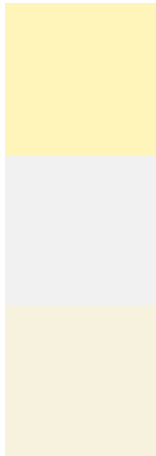
Deuteranomaly

89.0256, 0.3391, 0.3558

Tritanomaly

89.0712, 0.3315, 0.3428

Monochromacy



Original Color

89.4641, 0.3570, 0.3879

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.3175, 0.3283, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4641, 0.3570, 0.3879 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, 244, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 185)  
}
```

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, 244, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 185) }
```

Border

The CSS property to change the border of an element to Yxy 89.4641, 0.3570, 0.3879 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, 244, 185) }
```

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

```
.border{ border-color:rgb(255, 244, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4641, 0.3570, 0.3879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 185) }
```

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

```
.background{ background-color: rgb(255,  
244, 185) }
```

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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