

Converting Colors

$Yxy(88.6305, 0.3660, 0.4014)$

Have a look what the booklet for
Yxy(88.6305, 0.3660, 0.4014)
contains.

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Color

Yxy(88.9016, 0.3658, 0.4018)

Conversions

Conversions Part 1

Format	Color
Hex	FFF4AB
RGB	255, 244, 171
RGB Percent	100%, 96%, 67%
CMY	0.0001, 0.0431, 0.3294
CMYK	0.00, 0.04, 0.33, 0.00
HSL	52°, 100%, 84%
HSV	52°, 33%, 100%
XYZ	80.9363, 88.9016, 51.4204
YIQ	238.9670, 29.9890, -20.3710

Conversions

Conversions Part 2

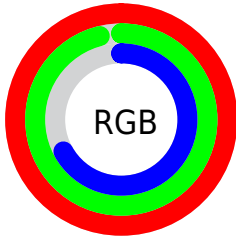
Format	Color
RYB	184, 255, 171
Decimal	16774315
CIELab	95.54, -6.85, 36.56
CIELCh	96, 37.198, 100.616
Yxy	88.9016, 0.3658, 0.4018
Android (android.graphics.Color)	4294964395 (0xFFFFF4AB)
YUV	238.9670, -33.5077, 14.0609
Hunter-Lab	94.2876, -11.7794, 33.6671

Details

The Yxy color **88.9016, 0.3658, 0.4018** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.3201, 0.2549, 0.2438**, and the grayscale version is **86.5385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **49.1448, 0.3762, 0.4175** is the 20% darker color. If you saturate the color by 10%, you get **86.0387, 0.3824, 0.4232**, and if you desaturate by 10%, it is **91.9964, 0.3490, 0.3795**.

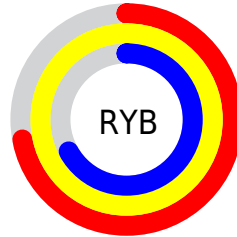
Distribution



Red (100%)

Green (96%)

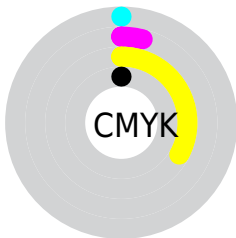
Blue (67%)



Red (72%)

Yellow (100%)

Blue (67%)

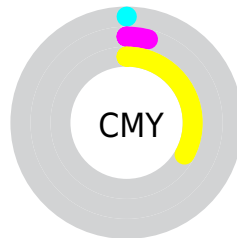


Cyan (0%)

Magenta (4%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.9016, 0.3658, 0.4018 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 88.9016, 0.3658, 0.4018 by changing the saturation by 10% instead.


 88.9016, 0.3658,
0.4018

 88.9016, 0.3658,
0.4018


524.4513, 0.3427,
0.3693

 67.0700, 0.3707,
0.4089


 145.8117, 0.3581,
0.3908

 49.1415, 0.3764,
0.4174


181.6590, 0.3550,
0.3864

 34.7318, 0.3834,
0.4279


222.9470, 0.3523,
0.3826

 23.4563, 0.3918,
0.4410

270.0601, 0.3500,
0.3793

 14.9308, 0.4021,
0.4576

323.3827, 0.3478,
0.3763

 8.7708, 0.4145,
0.4791


383.2992, 0.3460,


 4.5920, 0.4315,


0.3737


0.5104


450.1939, 0.3443,
0.3714

 2.0099, 0.4487,
0.5513

 0.6132, 0.4039,
0.5961


 88.9016, 0.3658,
0.4018


 88.9016, 0.3658,
0.4018


 86.0387, 0.3824,
0.4232


 91.9964, 0.3490,
0.3795

 83.3845, 0.3983,
0.4428

 95.3210, 0.3327,
0.3571

 80.9310, 0.4128,
0.4595

 98.8890, 0.3171,
0.3352

 78.6645, 0.4251,
0.4723

99.9967, 0.3127,
0.3290

■ 76.5694, 0.4347,
0.4807

■ 74.6267, 0.4415,
0.4845

■ 73.3270, 0.4449,
0.4850

Harmonies

Analogous

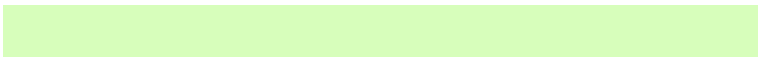
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9016, 0.3914, 0.3816



88.9016, 0.3658, 0.4018



88.9016, 0.3269, 0.4016

Triad

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



88.9016, 0.3658, 0.4018



88.9016, 0.2368, 0.2988



88.9016, 0.3368, 0.2868

Complementary

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



88.9016, 0.3658, 0.4018



49.3201, 0.2549, 0.2438

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.



88.9016, 0.2942, 0.2671



88.9016, 0.3658, 0.4018



88.9016, 0.2389, 0.2718

Square

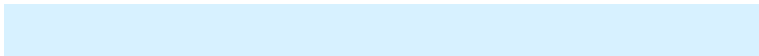
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.9016, 0.3658, 0.4018



88.9016, 0.2534, 0.3379



88.9016, 0.2591, 0.2613



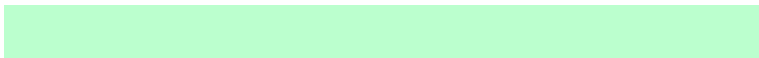
88.9016, 0.3747, 0.3164

Rectangle

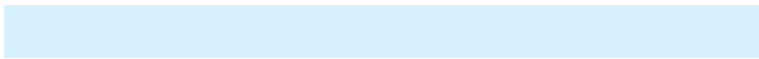
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.9016, 0.3658, 0.4018



88.9016, 0.2990, 0.3879



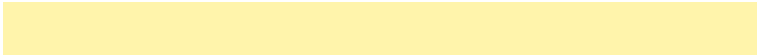
88.9016, 0.2591, 0.2613



88.9016, 0.3224, 0.2789

Sweetspot

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



88.9056, 0.3658, 0.4018



96.3582, 0.3280, 0.3506



53.7678, 0.3794, 0.3174



20.5193, 0.3302, 0.3537



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

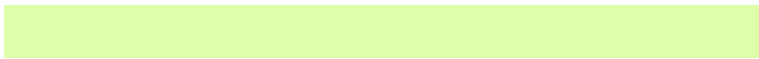
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9056, 0.3658, 0.4018



86.8716, 0.3776, 0.4171



90.3265, 0.3417, 0.4176



20.6620, 0.3272, 0.3495



38.4788, 0.4444, 0.4853



3.8543, 0.4411, 0.4879

Inverse Universe

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



49.3201, 0.2549, 0.2438



41.3826, 0.2407, 0.2219



48.8721, 0.2752, 0.2363



17.7601, 0.2979, 0.3077



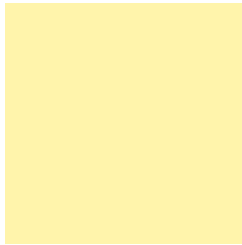
4.4671, 0.1527, 0.0698



0.5481, 0.1571, 0.0853

Previews

White Background



This preview shows how the Yxy color 88.9016, 0.3658, 0.4018 looks on a white background.

Color Contrast Check

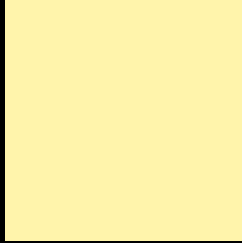
Large Text (above 18pt) WCAG AA × Fail

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 88.9016, 0.3658, 0.4018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

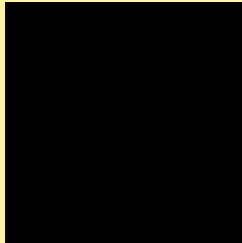
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.9016, 0.3658, 0.4018

Background



This preview shows how black text looks on a background with the Yxy color 88.9016, 0.3658, 0.4018.

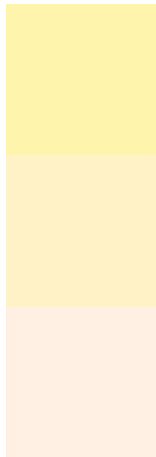


This preview shows how white text looks on a background with the Yxy color 88.9016, 0.3658, 0.4018.

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

88.9016, 0.3658, 0.4018

Protanopia

88.8415, 0.3492, 0.3729

Deuteranopia

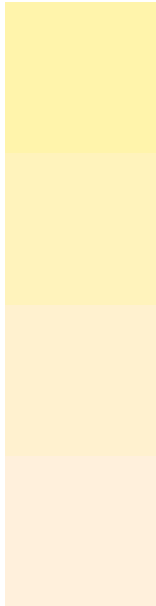
89.1262, 0.3309, 0.3418



Tritanopia

88.6057, 0.3179, 0.3184

Trichromacy



Original Color

88.9016, 0.3658, 0.4018

Protanomaly

88.9920, 0.3554, 0.3840

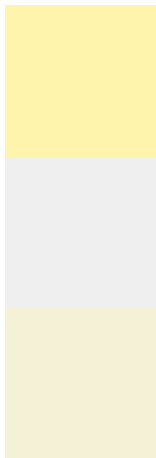
Deuteranomaly

88.6756, 0.3436, 0.3629

Tritanomaly

88.7475, 0.3354, 0.3488

Monochromacy



Original Color

88.9016, 0.3658, 0.4018

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

87.1781, 0.3322, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.9016, 0.3658, 0.4018 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 171) }
```

Border

The CSS property to change the border of an element to Yxy 88.9016, 0.3658, 0.4018 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, 171) }
```

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

```
.border{ border-color:rgb(255, 244, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 88.9016, 0.3658, 0.4018 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, 171) }
```

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

```
.background{ background-color: rgb(255,  
244, 171) }
```

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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