

Converting Colors

$Y_{xy}(100.0000, 0.3842, 0.4035)$

Have a look what the booklet for
Yxy(100.0000, 0.3842, 0.4035)
contains.

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Color

Yxy(93.8211, 0.3635, 0.4089)

Conversions

Conversions Part 1

Format	Color
Hex	FFFCAB
RGB	255, 252, 171
RGB Percent	100%, 99%, 67%
CMY	0.0000, 0.0118, 0.3296
CMYK	0.00, 0.01, 0.33, 0.00
HSL	58°, 100%, 84%
HSV	58°, 33%, 100%
XYZ	83.4042, 93.8211, 52.2223
YIQ	243.6630, 27.7890, -24.5550

Conversions

Conversions Part 2

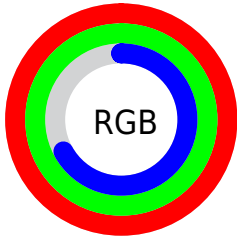
Format	Color
RYB	174, 255, 171
Decimal	16776363
CIELab	97.56, -10.79, 39.24
CIELCh	98, 40.697, 105.380
Yxy	93.8211, 0.3635, 0.4089
Android (android.graphics.Color)	4294966443 (0xFFFFFCAB)
YUV	243.6630, -35.8229, 9.9425
Hunter-Lab	96.8613, -15.8066, 35.8370

Details

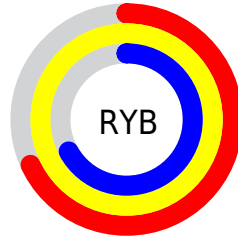
The Yxy color **93.8211, 0.3635, 0.4089** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.1312, 0.2537, 0.2342**, and the grayscale version is **90.4555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **52.6582, 0.3725, 0.4261** is the 20% darker color. If you saturate the color by 10%, you get **92.3709, 0.3784, 0.4320**, and if you desaturate by 10%, it is **95.4616, 0.3479, 0.3846**.

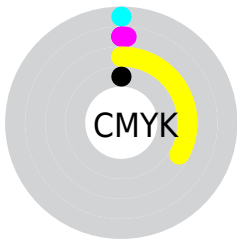
Distribution



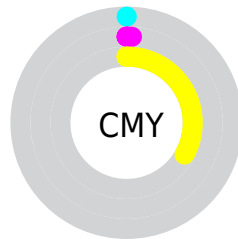
- Red (100%)
- Green (99%)
- Blue (67%)



- Red (68%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (1%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.8211, 0.3635, 0.4089 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 93.8211, 0.3635, 0.4089 by changing the saturation by 10% instead.


 93.8211, 0.3635,
0.4089

 93.8211, 0.3635,
0.4089

540.3839, 0.3419,
0.3733

 71.1542, 0.3679,
0.4166


 152.6349, 0.3564,
0.3969

 52.4680, 0.3732,
0.4259

189.5506, 0.3535,
0.3921

 37.3783, 0.3793,
0.4373


231.9846, 0.3510,
0.3880

 25.5005, 0.3867,
0.4514

280.3214, 0.3487,
0.3843

 16.4503, 0.3954,
0.4694

334.9453, 0.3468,
0.3811

 9.8434, 0.4055,
0.4925

396.2408, 0.3450,

 5.2952, 0.4177,

0.3782

464.5922, 0.3433,
0.3756

0.5249

■ 2.4215, 0.4296,
0.5704

■ 0.8369, 0.3886,
0.6114

■ 93.8211, 0.3635,
0.4089

■ 93.8211, 0.3635,
0.4089

■ 92.3709, 0.3784,
0.4320

■ 95.4616, 0.3479,
0.3846

■ 91.1002, 0.3921,
0.4529

■ 97.3024, 0.3323,
0.3601

■ 89.9970, 0.4039,
0.4706

■ 99.3527, 0.3171,
0.3360

■ 89.0479, 0.4133,
0.4844

100.0000, 0.3127,
0.3290

■ 88.2375, 0.4201,
0.4937

■ 87.5468, 0.4242,
0.4987

■ 87.1129, 0.4258,
0.5001

Harmonies

Analogous

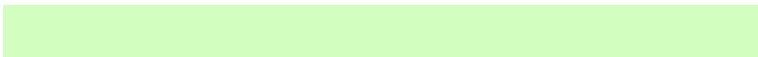
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8211, 0.3941, 0.3896



93.8211, 0.3635, 0.4089



93.8211, 0.3205, 0.4049

Triad

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



93.8211, 0.3635, 0.4089



93.8211, 0.2306, 0.2906



93.8211, 0.3457, 0.2883

Complementary

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



93.8211, 0.3635, 0.4089



46.1312, 0.2537, 0.2342

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.



93.8211, 0.2997, 0.2654



93.8211, 0.3635, 0.4089



93.8211, 0.2360, 0.2646

Square

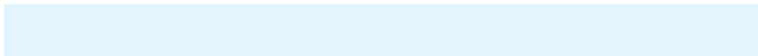
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.8211, 0.3635, 0.4089



93.8211, 0.2450, 0.3313



93.8211, 0.2603, 0.2565



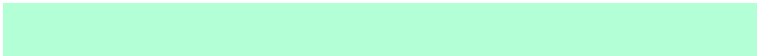
93.8211, 0.3844, 0.3209

Rectangle

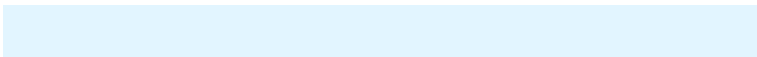
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.8211, 0.3635, 0.4089



93.8211, 0.2910, 0.3875



93.8211, 0.2603, 0.2565



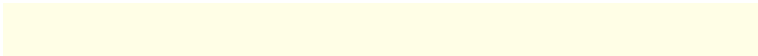
93.8211, 0.3304, 0.2794

Sweetspot

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



93.8211, 0.3635, 0.4089



97.8861, 0.3278, 0.3529



53.4739, 0.3860, 0.3248



20.8917, 0.3299, 0.3563



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

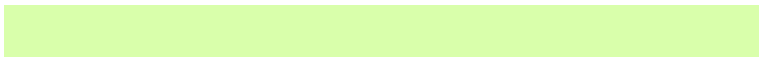
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.8211, 0.3635, 0.4089



92.7803, 0.3741, 0.4254



89.2388, 0.3370, 0.4190



20.9730, 0.3270, 0.3517



45.5678, 0.4257, 0.5002



4.4701, 0.4249, 0.5008

Inverse Universe

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



46.1312, 0.2537, 0.2342



37.9841, 0.2388, 0.2101



49.8555, 0.2804, 0.2376



17.4815, 0.2978, 0.3053



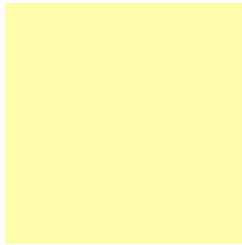
3.9207, 0.1506, 0.0621



0.4167, 0.1520, 0.0672

Previews

White Background



This preview shows how the Yxy color 93.8211, 0.3635, 0.4089 looks on a white background.

Color Contrast Check

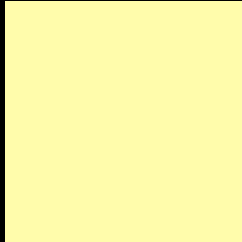
Large Text (above 18pt) WCAG AA × Fail

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 93.8211, 0.3635, 0.4089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

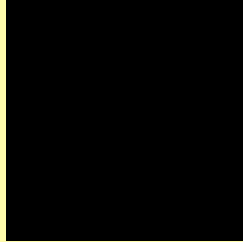
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.8211, 0.3635, 0.4089

Background



This preview shows how black text looks on a background with the Yxy color 93.8211, 0.3635, 0.4089.



This preview shows how white text looks on a background with the Yxy color 93.8211, 0.3635, 0.4089.

Color Blindness Simulation

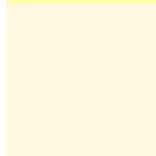
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



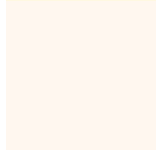
Original Color

93.8211, 0.3635, 0.4089



Protanopia

93.8310, 0.3312, 0.3515



Deuteranopia

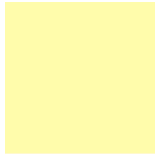
94.0135, 0.3227, 0.3368



Tritanopia

93.6567, 0.3144, 0.3213

Trichromacy



Original Color

93.8211, 0.3635, 0.4089



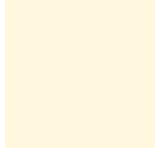
Protanomaly

93.4191, 0.3434, 0.3725



Deuteranomaly

93.8664, 0.3379, 0.3635



Tritanomaly

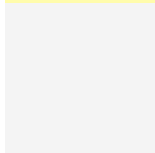
93.7225, 0.3324, 0.3535

Monochromacy



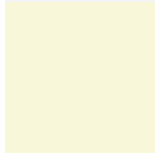
Original Color

93.8211, 0.3635, 0.4089



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.4877, 0.3316, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.8211, 0.3635, 0.4089 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, 252, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 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, 252, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 171) }
```

Border

The CSS property to change the border of an element to Yxy 93.8211, 0.3635, 0.4089 is called "border". The border property can be set on classes, ids or directly on the HTML element.

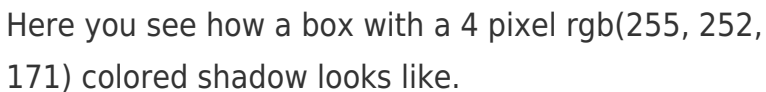
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 252, 171) }
```

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

```
.border{ border-color:rgb(255, 252, 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, 252, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 93.8211, 0.3635, 0.4089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 171) }
```

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

```
.background{ background-color: rgb(255,  
252, 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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