

Converting Colors

$Y_{xy}(100.0000, 0.3891, 0.4053)$

Have a look what the booklet for
Yxy(100.0000, 0.3891, 0.4053)
contains.

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Color

Yxy(93.0444, 0.3661, 0.4119)

Conversions

Conversions Part 1

Format	Color
Hex	FFFBA7
RGB	255, 251, 167
RGB Percent	100%, 98%, 65%
CMY	0.0002, 0.0156, 0.3452
CMYK	0.00, 0.02, 0.35, 0.00
HSL	57°, 100%, 83%
HSV	57°, 35%, 100%
XYZ	82.6986, 93.0444, 50.1477
YIQ	242.6200, 29.3480, -25.2760

Conversions

Conversions Part 2

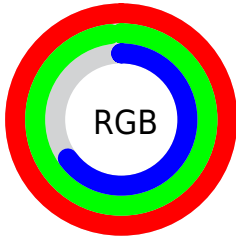
Format	Color
RYB	171, 255, 167
Decimal	16776103
CIELab	97.25, -10.79, 40.80
CIElCh	97, 42.202, 104.817
Yxy	93.0444, 0.3661, 0.4119
Android (android.graphics.Color)	4294966183 (0xFFFFFBA7)
YUV	242.6200, -37.2807, 10.8573
Hunter-Lab	96.4595, -15.7690, 36.6978

Details

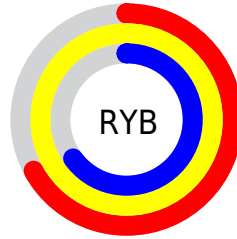
The Yxy color **93.0444, 0.3661, 0.4119** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.5233, 0.2506, 0.2299**, and the grayscale version is **89.5910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **52.1154, 0.3758, 0.4297** is the 20% darker color. If you saturate the color by 10%, you get **91.4864, 0.3810, 0.4346**, and if you desaturate by 10%, it is **94.8011, 0.3505, 0.3879**.

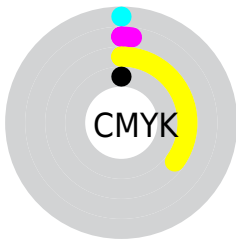
Distribution



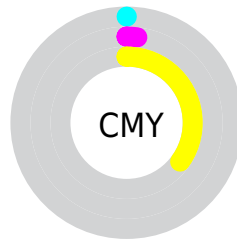
- Red (100%)
- Green (98%)
- Blue (65%)



- Red (67%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (2%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 93.0444, 0.3661, 0.4119 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 93.0444, 0.3661, 0.4119 by changing the saturation by 10% instead.


 93.0444, 0.3661,
0.4119


 93.0444, 0.3661,
0.4119


537.8852, 0.3434,
0.3750

 70.5084, 0.3707,
0.4199


 151.5601, 0.3586,
0.3994

 51.9411, 0.3762,
0.4295

 188.3086, 0.3556,
0.3945

 36.9581, 0.3826,
0.4412


230.5633, 0.3530,
0.3902

 25.1751, 0.3903,
0.4558

278.7088, 0.3506,
0.3864

 16.2075, 0.3993,
0.4742

333.1293, 0.3485,
0.3830

 9.6711, 0.4094,
0.4977

394.2093, 0.3466,

 5.1815, 0.4232,

0.3801

0.5325

462.3331, 0.3449,
0.3774

■ 2.3541, 0.4291,
0.5709

■ 0.8021, 0.3835,
0.6165

■ 93.0444, 0.3661,
0.4119

■ 93.0444, 0.3661,
0.4119

■ 91.4864, 0.3810,
0.4346

■ 94.8011, 0.3505,
0.3879

■ 90.1033, 0.3947,
0.4549

■ 96.7537, 0.3348,
0.3635

■ 88.8872, 0.4064,
0.4720

■ 98.9160, 0.3194,
0.3395

■ 87.8246, 0.4157,
0.4850

99.9918, 0.3127,
0.3290

■ 86.8993, 0.4223,
0.4936

■ 86.0921, 0.4262,
0.4978

■ 85.6836, 0.4275,
0.4988

Harmonies

Analogous

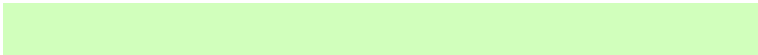
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0444, 0.3977, 0.3912



93.0444, 0.3661, 0.4119



93.0444, 0.3215, 0.4085

Triad

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



93.0444, 0.3661, 0.4119



93.0444, 0.2277, 0.2897



93.0444, 0.3460, 0.2863

Complementary

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



93.0444, 0.3661, 0.4119



44.5233, 0.2506, 0.2299

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.



93.0444, 0.2983, 0.2628



93.0444, 0.3661, 0.4119



93.0444, 0.2329, 0.2625

Square

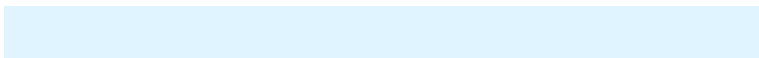
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.0444, 0.3661, 0.4119



93.0444, 0.2429, 0.3321



93.0444, 0.2577, 0.2539



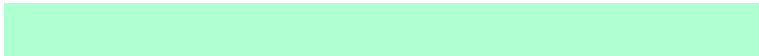
93.0444, 0.3867, 0.3198

Rectangle

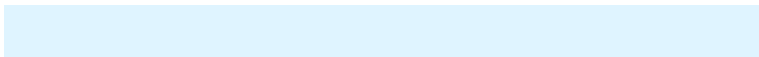
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.0444, 0.3661, 0.4119



93.0444, 0.2908, 0.3907



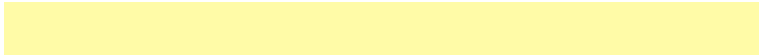
93.0444, 0.2577, 0.2539



93.0444, 0.3301, 0.2771

Sweetspot

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



93.0486, 0.3661, 0.4119



97.7394, 0.3278, 0.3526



51.8357, 0.3909, 0.3246



20.8560, 0.3300, 0.3560



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

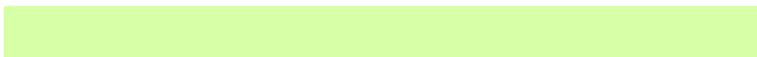
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.0486, 0.3661, 0.4119



92.0487, 0.3759, 0.4268



88.7843, 0.3381, 0.4236



20.9431, 0.3270, 0.3515



44.8499, 0.4274, 0.4989



4.4083, 0.4264, 0.4997

Inverse Universe

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



44.5233, 0.2506, 0.2299



37.2318, 0.2368, 0.2077



48.0497, 0.2785, 0.2329



17.5080, 0.2978, 0.3055



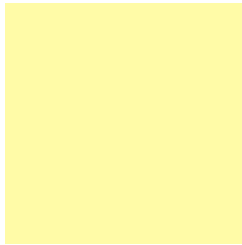
3.9583, 0.1508, 0.0627



0.4292, 0.1525, 0.0690

Previews

White Background



This preview shows how the Yxy color 93.0444, 0.3661, 0.4119 looks on a white background.

Color Contrast Check

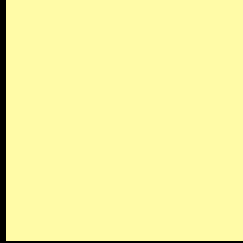
Large Text (above 18pt) WCAG AA × Fail

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 93.0444, 0.3661, 0.4119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

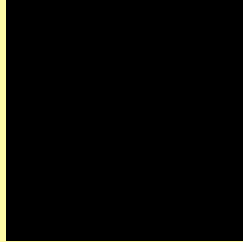
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.0444, 0.3661, 0.4119

Background



This preview shows how black text looks on a background with the Yxy color 93.0444, 0.3661, 0.4119.

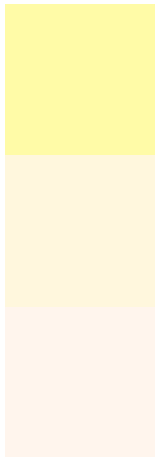


This preview shows how white text looks on a background with the Yxy color 93.0444, 0.3661, 0.4119.

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

93.0444, 0.3661, 0.4119

Protanopia

93.0020, 0.3338, 0.3546

Deuteranopia

92.6792, 0.3241, 0.3368



Tritanopia

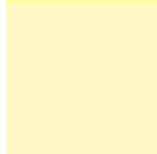
92.9896, 0.3150, 0.3213

Trichromacy



Original Color

93.0444, 0.3661, 0.4119



Protanomaly

92.6118, 0.3461, 0.3756



Deuteranomaly

92.5350, 0.3394, 0.3636



Tritanomaly

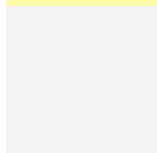
93.0020, 0.3338, 0.3546

Monochromacy



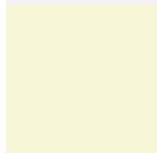
Original Color

93.0444, 0.3661, 0.4119



Achromatopsia

89.6269, 0.3127, 0.3290



Achromatomaly

90.5920, 0.3323, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.0444, 0.3661, 0.4119 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, 251, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 167)  
}
```

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, 251, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 167) }
```

Border

The CSS property to change the border of an element to Yxy 93.0444, 0.3661, 0.4119 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, 251, 167) }
```

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

```
.border{ border-color:rgb(255, 251, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 93.0444, 0.3661, 0.4119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 167) }
```

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

```
.background{ background-color: rgb(255,  
251, 167) }
```

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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