

Converting Colors

$Y_{xy}(90.2177, 0.3591, 0.4121)$

Have a look what the booklet for
Yxy(90.2177, 0.3591, 0.4121)
contains.

Yxy(89.9910, 0.3591, 0.4112)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(89.9910, 0.3591, 0.4112)

Conversions

Conversions Part 1

Format	Color
Hex	F5F9A8
RGB	245, 249, 168
RGB Percent	96%, 98%, 66%
CMY	0.0394, 0.0235, 0.3412
CMYK	0.02, 0.00, 0.33, 0.02
HSL	63°, 87%, 82%
HSV	63°, 33%, 98%
XYZ	78.5889, 89.9910, 50.2698
YIQ	238.5700, 23.6170, -26.0390

Conversions

Conversions Part 2

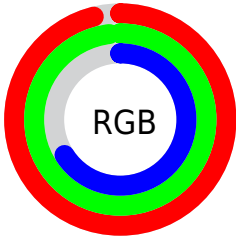
Format	Color
R_{YB}	168, 249, 172
Decimal	16120232
CIE Lab	95.99, -13.44, 38.51
CIE LCh	96, 40.790, 109.231
Yxy	89.9910, 0.3591, 0.4112
Android (android.graphics.Color)	4294310312 (0xFFFF5F9A8)
YUV	238.5700, -34.7910, 5.6391
Hunter-Lab	94.8636, -18.1345, 34.9858

Details

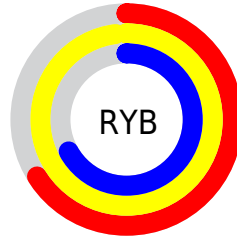
The Yxy color **89.9910, 0.3591, 0.4112** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.6205, 0.2570, 0.2329**, and the grayscale version is **86.2244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **50.0691, 0.3680, 0.4294** is the 20% darker color. If you saturate the color by 10%, you get **88.9306, 0.3725, 0.4356**, and if you desaturate by 10%, it is **91.2387, 0.3449, 0.3858**.

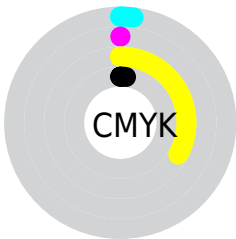
Distribution



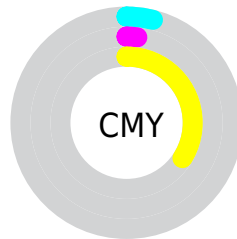
- Red (96%)
- Green (98%)
- Blue (66%)



- Red (66%)
- Yellow (98%)
- Blue (67%)



- Cyan (2%)
- Magenta (0%)
- Yellow (33%)
- Black (2%)





- Cyan (4%)
- Magenta (2%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9910, 0.3591, 0.4112 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 89.9910, 0.3591, 0.4112 by changing the saturation by 10% instead.


 89.9910, 0.3591,
0.4112

 89.9910, 0.3591,
0.4112


528.0016, 0.3393,
0.3741

 67.9732, 0.3631,
0.4194


 147.3259, 0.3526,
0.3986

 49.8759, 0.3679,
0.4292


183.4118, 0.3500,
0.3936

 35.3148, 0.3735,
0.4414


224.9557, 0.3477,
0.3893

 23.9055, 0.3801,
0.4567

272.3423, 0.3456,
0.3855

 15.2635, 0.3879,
0.4764

325.9557, 0.3438,
0.3821

 9.0045, 0.3965,
0.5021

386.1805, 0.3422,

 4.7441, 0.4083,

0.3791

0.5414

453.4010, 0.3407,
0.3765

■ 2.0979, 0.4114,
0.5886

■ 0.6635, 0.3132,
0.6868

■ 89.9910, 0.3591,
0.4112

■ 89.9910, 0.3591,
0.4112

■ 88.9306, 0.3725,
0.4356

■ 91.2387, 0.3449,
0.3858

■ 88.0352, 0.3846,
0.4579

■ 92.6710, 0.3305,
0.3602

■ 87.2976, 0.3947,
0.4771


■ 94.3006, 0.3162,
0.3352


■ 86.7052, 0.4024,
0.4924


■ 95.2973, 0.3098,
0.3232


 86.2436, 0.4075,
0.5033


 95.5284, 0.3106,
0.3233


 85.8953, 0.4099,
0.5097

 95.7610, 0.3114,
0.3233

 85.6894, 0.4105,
0.5123

 95.9951, 0.3122,
0.3233

 96.2308, 0.3129,
0.3233

 96.2427, 0.3130,
0.3233

Harmonies

Analogous

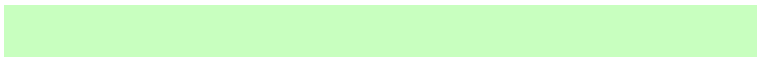
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9910, 0.3925, 0.3940



89.9910, 0.3591, 0.4112



89.9910, 0.3147, 0.4037

Triad

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



89.9910, 0.3591, 0.4112



89.9910, 0.2290, 0.2856



89.9910, 0.3520, 0.2915

Complementary

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



89.9910, 0.3591, 0.4112



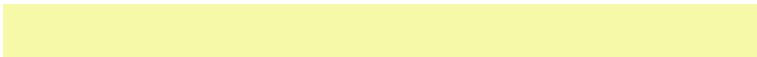
43.6205, 0.2570, 0.2329

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.



89.9910, 0.3054, 0.2667



89.9910, 0.3591, 0.4112



89.9910, 0.2370, 0.2616

Square

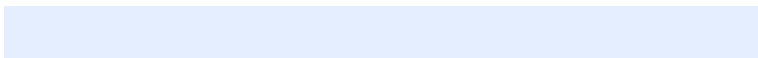
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.9910, 0.3591, 0.4112



89.9910, 0.2410, 0.3254



89.9910, 0.2639, 0.2557



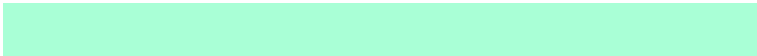
89.9910, 0.3893, 0.3254

Rectangle

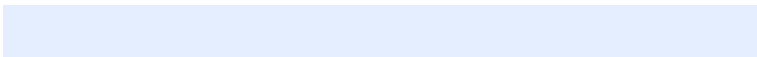
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.9910, 0.3591, 0.4112



89.9910, 0.2851, 0.3839



89.9910, 0.2639, 0.2557



89.9910, 0.3367, 0.2820

Sweetspot

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



89.9951, 0.3591, 0.4112



98.2237, 0.3268, 0.3538



52.4925, 0.3870, 0.3336



20.9741, 0.3289, 0.3573



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

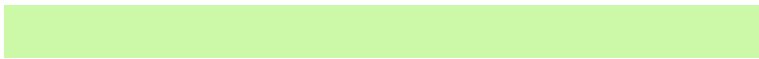
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9951, 0.3591, 0.4112



94.2327, 0.3680, 0.4273



83.4914, 0.3313, 0.4192



20.1439, 0.3261, 0.3525



45.8798, 0.4106, 0.5122



4.2625, 0.4117, 0.5113

Inverse Universe

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



43.6205, 0.2570, 0.2329



38.3746, 0.2436, 0.2103



48.9240, 0.2873, 0.2406



16.6845, 0.2987, 0.3045



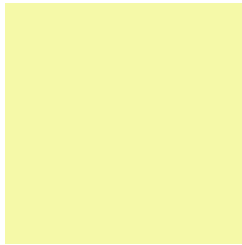
3.7221, 0.1515, 0.0608



0.3589, 0.1552, 0.0628

Previews

White Background



This preview shows how the Yxy color 89.9910, 0.3591, 0.4112 looks on a white background.

Color Contrast Check

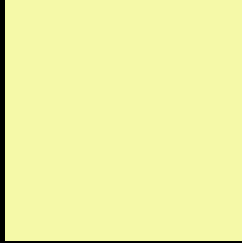
Large Text (above 18pt) WCAG AA × Fail

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 89.9910, 0.3591, 0.4112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

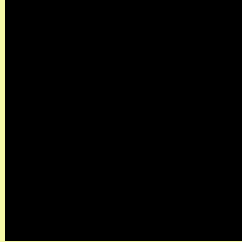
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.9910, 0.3591, 0.4112

Background



This preview shows how black text looks on a background with the Yxy color 89.9910, 0.3591, 0.4112.

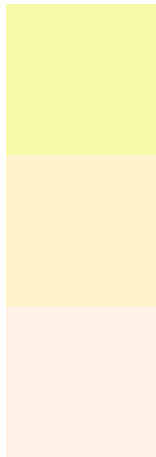


This preview shows how white text looks on a background with the Yxy color 89.9910, 0.3591, 0.4112.

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

89.9910, 0.3591, 0.4112

Protanopia

89.6730, 0.3458, 0.3688

Deuteranopia

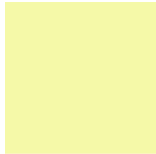
89.8277, 0.3295, 0.3408



Tritanopia

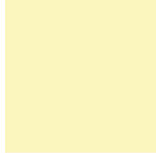
90.0238, 0.3128, 0.3136

Trichromacy



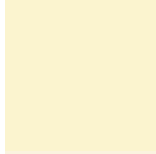
Original Color

89.9910, 0.3591, 0.4112



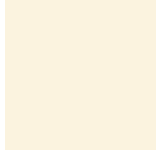
Protanomaly

89.5318, 0.3508, 0.3843



Deuteranomaly

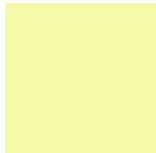
89.7156, 0.3403, 0.3661



Tritanomaly

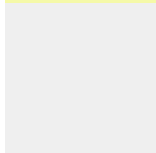
89.9381, 0.3303, 0.3489

Monochromacy



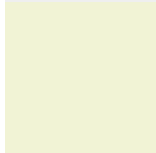
Original Color

89.9910, 0.3591, 0.4112



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

87.6061, 0.3298, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9910, 0.3591, 0.4112 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(245, 249, 168)` looks like.

```
.text, #text, p{  
    color:rgb(245, 249, 168)  
}
```

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(245, 249, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 249, 168) }
```

Border

The CSS property to change the border of an element to Yxy 89.9910, 0.3591, 0.4112 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(245, 249, 168) }
```

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

```
.border{ border-color:rgb(245, 249, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 249, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 249, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 249, 168);  
box-shadow:4px 4px 4px 4px rgb(245, 249,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9910, 0.3591, 0.4112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 249, 168) }
```

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

```
.background{ background-color: rgb(245,  
249, 168) }
```

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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