

Converting Colors

$Y_{xy}(100.0000, 0.3912, 0.3967)$

Have a look what the booklet for
Yxy(100.0000, 0.3912, 0.3967)
contains.

Yxy(91.4119, 0.3634, 0.4034)	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(91.4119, 0.3634, 0.4034)

Conversions

Conversions Part 1

Format	Color
Hex	FFF8AD
RGB	255, 248, 173
RGB Percent	100%, 97%, 68%
CMY	0.0000, 0.0274, 0.3215
CMYK	0.00, 0.03, 0.32, 0.00
HSL	55°, 100%, 84%
HSV	55°, 32%, 100%
XYZ	82.3478, 91.4119, 52.8440
YIQ	241.5430, 28.2470, -21.8410

Conversions

Conversions Part 2

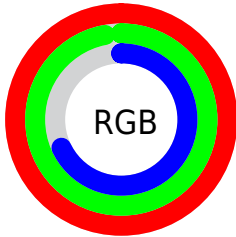
Format	Color
RYB	181, 255, 173
Decimal	16775341
CIELab	96.58, -8.60, 36.93
CIElCh	97, 37.918, 103.104
Yxy	91.4119, 0.3634, 0.4034
Android (android.graphics.Color)	4294965421 (0xFFFFF8AD)
YUV	241.5430, -33.7917, 11.8018
Hunter-Lab	95.6096, -13.5761, 34.1568

Details

The Yxy color **91.4119, 0.3634, 0.4034** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.7436, 0.2559, 0.2417**, and the grayscale version is **88.6704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **50.9257, 0.3729, 0.4195** is the 20% darker color. If you saturate the color by 10%, you get **89.1940, 0.3793, 0.4258**, and if you desaturate by 10%, it is **93.8420, 0.3472, 0.3801**.

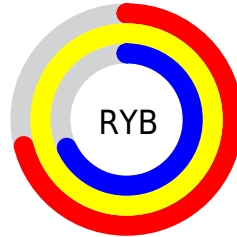
Distribution



Red (100%)

Green (97%)

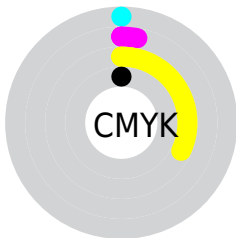
Blue (68%)



Red (71%)

Yellow (100%)

Blue (68%)

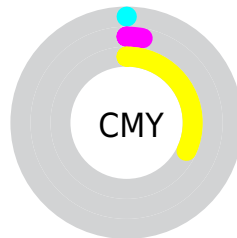


Cyan (0%)

Magenta (3%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.4119, 0.3634, 0.4034 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 91.4119, 0.3634, 0.4034 by changing the saturation by 10% instead.


 91.4119, 0.3634,
0.4034

 91.4119, 0.3634,
0.4034

532.6131, 0.3416,
0.3702

 69.1523, 0.3680,
0.4106


 149.2980, 0.3562,
0.3922

 50.8357, 0.3733,
0.4193

185.6933, 0.3533,
0.3877

 36.0779, 0.3798,
0.4300


227.5693, 0.3507,
0.3838

 24.4944, 0.3876,
0.4433

275.3103, 0.3484,
0.3804

 15.7007, 0.3970,
0.4604

329.3008, 0.3464,
0.3774

 9.3126, 0.4083,
0.4824

389.9252, 0.3446,

 4.9457, 0.4223,

0.3747

457.5678, 0.3430,
0.3723

0.5131

■ 2.2154, 0.4402,
0.5598

■ 0.7284, 0.3984,
0.6016

■ 91.4119, 0.3634,
0.4034

■ 91.4119, 0.3634,
0.4034

■ 89.1940, 0.3793,
0.4258

■ 93.8420, 0.3472,
0.3801

■ 87.1650, 0.3942,
0.4462

■ 96.4817, 0.3313,
0.3567

■ 85.3171, 0.4075,
0.4637

■ 99.3445, 0.3159,
0.3338

■ 83.6371, 0.4185,
0.4773

■ 99.9978, 0.3127,
0.3290

■ 82.1097, 0.4270,
0.4866

■ 80.7162, 0.4326,
0.4913

■ 79.6944, 0.4354,
0.4925

Harmonies

Analogous

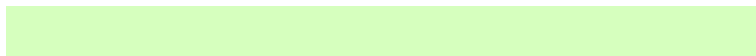
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4119, 0.3907, 0.3843



91.4119, 0.3634, 0.4034



91.4119, 0.3235, 0.4012

Triad

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



91.4119, 0.3634, 0.4034



91.4119, 0.2356, 0.2956



91.4119, 0.3405, 0.2886

Complementary

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



91.4119, 0.3634, 0.4034



48.7436, 0.2559, 0.2417

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.



91.4119, 0.2974, 0.2677



91.4119, 0.3634, 0.4034



91.4119, 0.2393, 0.2697

Square

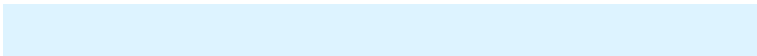
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.4119, 0.3634, 0.4034



91.4119, 0.2507, 0.3345



91.4119, 0.2610, 0.2606



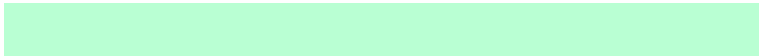
91.4119, 0.3778, 0.3190

Rectangle

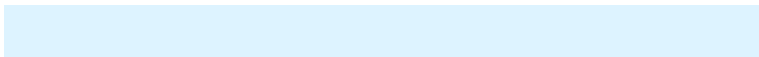
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.4119, 0.3634, 0.4034



91.4119, 0.2955, 0.3861



91.4119, 0.2610, 0.2606



91.4119, 0.3261, 0.2803

Sweetspot

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



91.4160, 0.3634, 0.4034



97.0878, 0.3279, 0.3517



54.4943, 0.3797, 0.3206



20.6971, 0.3301, 0.3549



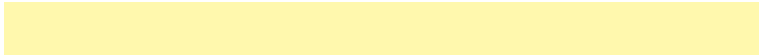
0.0000, 0.0000, 0.0000



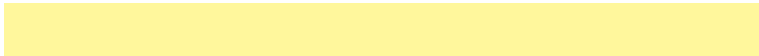
21.4041, 0.3127, 0.3290

Same Dimension

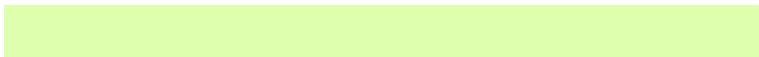
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.4160, 0.3634, 0.4034



89.8816, 0.3743, 0.4189



90.0911, 0.3392, 0.4159



20.8105, 0.3271, 0.3505



41.7563, 0.4351, 0.4927



4.1404, 0.4331, 0.4943

Inverse Universe

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



48.7436, 0.2559, 0.2417



40.8000, 0.2419, 0.2195



50.2045, 0.2783, 0.2393



17.6262, 0.2979, 0.3065



4.1516, 0.1515, 0.0654



0.4851, 0.1547, 0.0768

Previews

White Background



This preview shows how the Yxy color 91.4119, 0.3634, 0.4034 looks on a white background.

Color Contrast Check

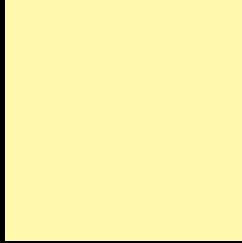
Large Text (above 18pt) WCAG AA × Fail

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 91.4119, 0.3634, 0.4034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

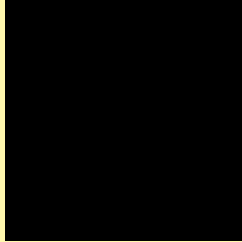
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.4119, 0.3634, 0.4034

Background



This preview shows how black text looks on a background with the Yxy color 91.4119, 0.3634, 0.4034.

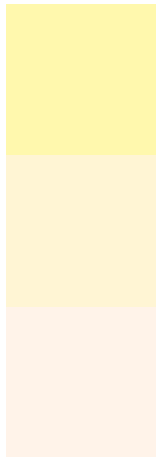


This preview shows how white text looks on a background with the Yxy color 91.4119, 0.3634, 0.4034.

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

91.4119, 0.3634, 0.4034

Protanopia

91.3183, 0.3397, 0.3617

Deuteranopia

91.2444, 0.3268, 0.3388



Tritanopia

91.1356, 0.3158, 0.3194

Trichromacy



Original Color

91.4119, 0.3634, 0.4034



Protanomaly

91.2488, 0.3484, 0.3767



Deuteranomaly

91.2680, 0.3404, 0.3627



Tritanomaly

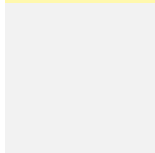
91.2891, 0.3329, 0.3497

Monochromacy



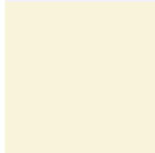
Original Color

91.4119, 0.3634, 0.4034



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

89.4853, 0.3313, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.4119, 0.3634, 0.4034 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, 248, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 173)  
}
```

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, 248, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 173) }
```

Border

The CSS property to change the border of an element to Yxy 91.4119, 0.3634, 0.4034 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, 248, 173) }
```

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

```
.border{ border-color:rgb(255, 248, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 91.4119, 0.3634, 0.4034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 173) }
```

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

```
.background{ background-color: rgb(255,  
248, 173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor