

Converting Colors

$Y_{xy}(100.0000, 0.3484, 0.4176)$

Have a look what the booklet for
Yxy(100.0000, 0.3484, 0.4176)
contains.

Yxy(93.5318, 0.3508, 0.4091)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(93.5318, 0.3508, 0.4091)

Conversions

Conversions Part 1

Format	Color
Hex	F2FFB0
RGB	242, 255, 176
RGB Percent	95%, 100%, 69%
CMY	0.0511, 0.0000, 0.3098
CMYK	0.05, 0.00, 0.31, 0.00
HSL	70°, 100%, 85%
HSV	70°, 31%, 100%
XYZ	80.2028, 93.5318, 54.8936
YIQ	242.1070, 17.6110, -27.3250

Conversions

Conversions Part 2

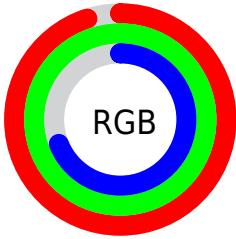
Format	Color
RYB	176, 255, 189
Decimal	15925168
CIELab	97.44, -16.49, 36.41
CIELCh	97, 39.975, 114.370
Yxy	93.5318, 0.3508, 0.4091
Android (android.graphics.Color)	4294115248 (0xFFFF2FFB0)
YUV	242.1070, -32.5908, -0.0938
Hunter-Lab	96.7118, -21.2163, 34.0453

Details

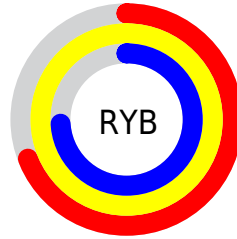
The Yxy color **93.5318, 0.3508, 0.4091** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **49.0891, 0.2664, 0.2396**, and the grayscale version is **89.1227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **52.1325, 0.3576, 0.4259** is the 20% darker color. If you saturate the color by 10%, you get **91.8717, 0.3623, 0.4352**, and if you desaturate by 10%, it is **95.3833, 0.3386, 0.3826**.

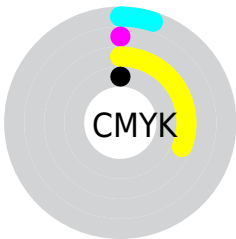
Distribution



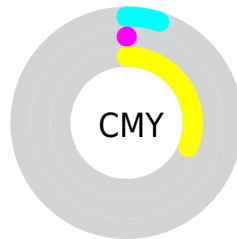
- Red (95%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (74%)



- Cyan (5%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.5318, 0.3508, 0.4091 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 93.5318, 0.3508, 0.4091 by changing the saturation by 10% instead.


 93.5318, 0.3508,
0.4091

 93.5318, 0.3508,
0.4091


539.4539, 0.3348,
0.3729

 70.9136, 0.3540,
0.4171


 152.2347, 0.3456,
0.3968

 52.2717, 0.3578,
0.4268


189.0881, 0.3435,
0.3919

 37.2217, 0.3622,
0.4387


231.4554, 0.3416,
0.3877

 25.3792, 0.3674,
0.4539

279.7210, 0.3399,
0.3840

 16.3598, 0.3734,
0.4735

334.2693, 0.3385,
0.3807

 9.7791, 0.3800,
0.4996

395.4846, 0.3371,

 5.2527, 0.3863,

0.3778

0.5359

463.7513, 0.3359,
0.3752

■ 2.3963, 0.3976,
0.6024

■ 0.8240, 0.3159,
0.6841

■ 93.5318, 0.3508,
0.4091

■ 93.5318, 0.3508,
0.4091

■ 91.8717, 0.3623,
0.4352

■ 95.3833, 0.3386,
0.3826

■ 90.4152, 0.3725,
0.4598

■ 97.4591, 0.3262,
0.3564


■ 89.1429, 0.3808,
0.4818

■ 99.7608, 0.3139,
0.3314

■ 88.0416, 0.3868,
0.5002

■ 100.0000, 0.3127,
0.3290

 87.0962, 0.3902,
0.5142

 86.2884, 0.3910,
0.5236

 85.6528, 0.3899,
0.5286

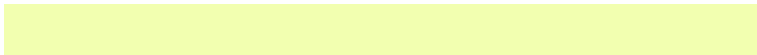
Harmonies

Analogous

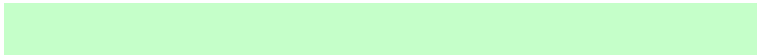
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5318, 0.3857, 0.3962



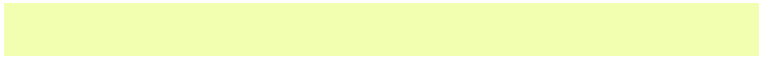
93.5318, 0.3508, 0.4091



93.5318, 0.3072, 0.3972

Triad

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



93.5318, 0.3508, 0.4091



93.5318, 0.2314, 0.2819



93.5318, 0.3580, 0.2978

Complementary

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



93.5318, 0.3508, 0.4091



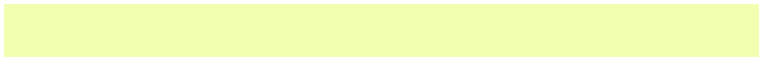
49.0891, 0.2664, 0.2396

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.



93.5318, 0.3134, 0.2718



93.5318, 0.3508, 0.4091



93.5318, 0.2425, 0.2614

Square

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



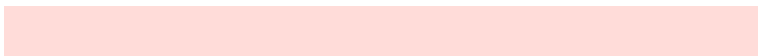
93.5318, 0.3508, 0.4091



93.5318, 0.2399, 0.3183



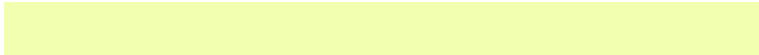
93.5318, 0.2715, 0.2586



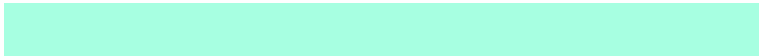
93.5318, 0.3911, 0.3317

Rectangle

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



93.5318, 0.3508, 0.4091



93.5318, 0.2792, 0.3757



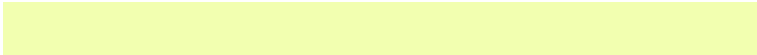
93.5318, 0.2715, 0.2586



93.5318, 0.3436, 0.2880

Sweetspot

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



93.5241, 0.3508, 0.4091



97.8977, 0.3237, 0.3514



60.2926, 0.3798, 0.3416



20.8851, 0.3255, 0.3551



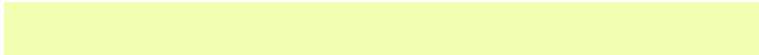
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

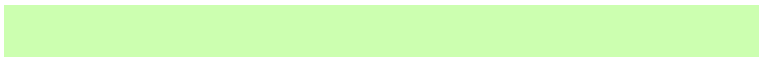
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.5241, 0.3508, 0.4091



92.5060, 0.3578, 0.4249



87.4411, 0.3254, 0.4160



20.9301, 0.3243, 0.3527



44.8117, 0.3904, 0.5282



4.4017, 0.3939, 0.5255

Inverse Universe

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



49.0891, 0.2664, 0.2396



41.8437, 0.2554, 0.2195



54.6536, 0.2948, 0.2465



17.5217, 0.3004, 0.3046



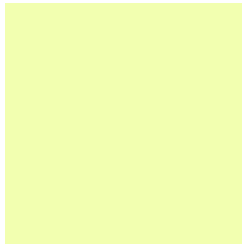
4.0728, 0.1570, 0.0639



0.4353, 0.1660, 0.0688

Previews

White Background



This preview shows how the Yxy color 93.5318, 0.3508, 0.4091 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 93.5318, 0.3508, 0.4091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

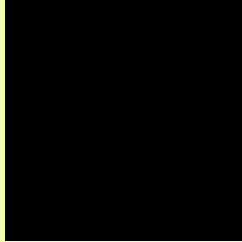
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.5318, 0.3508, 0.4091

Background



This preview shows how black text looks on a background with the Yxy color 93.5318, 0.3508, 0.4091.

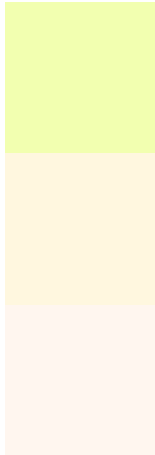


This preview shows how white text looks on a background with the Yxy color 93.5318, 0.3508, 0.4091.

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

93.5318, 0.3508, 0.4091

Protanopia

93.1092, 0.3325, 0.3526

Deuteranopia

93.4035, 0.3228, 0.3358

Tritanopia

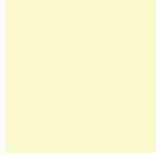
93.4555, 0.3099, 0.3203

Trichromacy



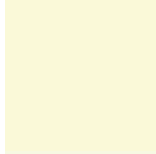
Original Color

93.5318, 0.3508, 0.4091



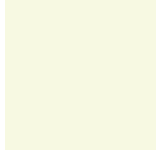
Protanomaly

93.1514, 0.3393, 0.3729



Deuteranomaly

93.0332, 0.3333, 0.3618



Tritanomaly

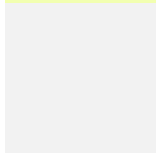
93.0165, 0.3252, 0.3519

Monochromacy



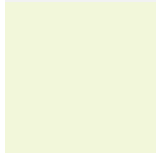
Original Color

93.5318, 0.3508, 0.4091



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

90.4607, 0.3270, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.5318, 0.3508, 0.4091 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(242, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 176)  
}
```

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(242, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 176) }
```

Border

The CSS property to change the border of an element to Yxy 93.5318, 0.3508, 0.4091 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(242, 255, 176) }
```

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

```
.border{ border-color:rgb(242, 255, 176) }
```

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

Here you see how a box with a 4 pixel rgb(242, 255, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 93.5318, 0.3508, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 176) }
```

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

```
.background{ background-color: rgb(242,  
255, 176) }
```

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