

Converting Colors

$Y_{xy}(100.0000, 0.3585, 0.4486)$

Have a look what the booklet for
Yxy(100.0000, 0.3585, 0.4486)
contains.

Yxy(91.4910, 0.3624, 0.4380)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(91.4910, 0.3624, 0.4380)

Conversions

Conversions Part 1

Format	Color
Hex	ECFF94
RGB	236, 255, 148
RGB Percent	93%, 100%, 58%
CMY	0.0745, 0.0000, 0.4195
CMYK	0.07, 0.00, 0.42, 0.00
HSL	71°, 100%, 79%
HSV	71°, 42%, 100%
XYZ	75.6994, 91.4910, 41.6932
YIQ	237.1210, 23.0230, -37.3050

Conversions

Conversions Part 2

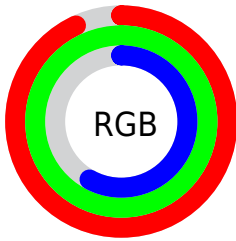
Format	Color
RYB	148, 255, 167
Decimal	15531924
CIELab	96.61, -21.93, 48.93
CIElCh	97, 53.614, 114.140
Yxy	91.4910, 0.3624, 0.4380
Android (android.graphics.Color)	4293722004 (0xFFECCFF94)
YUV	237.1210, -43.9367, -0.9831
Hunter-Lab	95.6509, -26.1219, 41.1118

Details

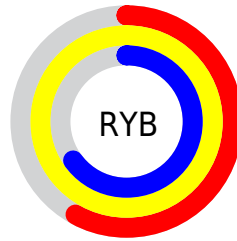
The Yxy color **91.4910, 0.3624, 0.4380** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.6227, 0.2469, 0.2029**, and the grayscale version is **85.1198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0918, 0.3436, 0.3800**, and **50.7981, 0.3709, 0.4613** is the 20% darker color. If you saturate the color by 10%, you get **90.0063, 0.3722, 0.4626**, and if you desaturate by 10%, it is **93.1758, 0.3513, 0.4118**.

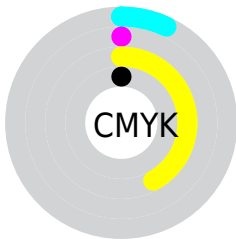
Distribution



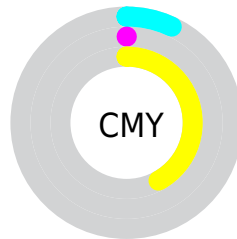
- Red (93%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (65%)



- Cyan (7%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.4910, 0.3624, 0.4380 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 91.4910, 0.3624, 0.4380 by changing the saturation by 10% instead.


 91.4910, 0.3624,
0.4380

 91.4910, 0.3624,
0.4380


532.8692, 0.3423,
0.3886

 69.2179, 0.3662,
0.4488


 149.4077, 0.3560,
0.4212

 50.8892, 0.3705,
0.4618

 185.8202, 0.3534,
0.4146

 36.1205, 0.3752,
0.4777


227.7146, 0.3510,
0.4088

 24.5272, 0.3802,
0.4974

275.4753, 0.3489,
0.4038

 15.7252, 0.3849,
0.5222

329.4867, 0.3470,
0.3993

 9.3299, 0.3877,
0.5534

390.1332, 0.3453,

 4.9570, 0.3936,

0.3954

0.6064

457.7992, 0.3437,
0.3918

■ 2.2220, 0.3637,
0.6363

■ 0.7320, 0.1798,
0.8202

■ 91.4910, 0.3624,
0.4380

■ 91.4910, 0.3624,
0.4380

■ 90.0063, 0.3722,
0.4626

■ 93.1758, 0.3513,
0.4118

■ 88.7060, 0.3801,
0.4846

■ 95.0676, 0.3393,
0.3852

■ 87.5777, 0.3857,
0.5029

■ 97.1779, 0.3271,
0.3590

■ 86.6063, 0.3886,
0.5167

■ 99.5159, 0.3150,
0.3338

■ 85.7732, 0.3889,
0.5259

100.0000, 0.3127,
0.3290

■ 85.1808, 0.3877,
0.5304

Harmonies

Analogous

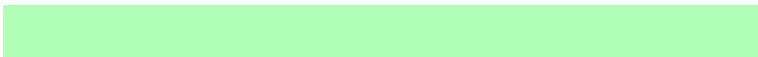
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4910, 0.4098, 0.4169



91.4910, 0.3624, 0.4380



91.4910, 0.3041, 0.4240

Triad

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



91.4910, 0.3624, 0.4380



91.4910, 0.2061, 0.2650



91.4910, 0.3731, 0.2871

Complementary

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



91.4910, 0.3624, 0.4380



36.6227, 0.2469, 0.2029

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.



91.4910, 0.3123, 0.2540



91.4910, 0.3624, 0.4380



91.4910, 0.2201, 0.2396

Square

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



91.4910, 0.3624, 0.4380



91.4910, 0.2165, 0.3133



91.4910, 0.2570, 0.2369



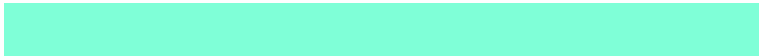
91.4910, 0.4187, 0.3303

Rectangle

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



91.4910, 0.3624, 0.4380



91.4910, 0.2673, 0.3939



91.4910, 0.2570, 0.2369



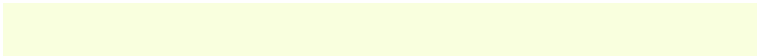
91.4910, 0.3534, 0.2746

Sweetspot

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



91.4923, 0.3624, 0.4380



96.9465, 0.3284, 0.3617



50.6162, 0.4139, 0.3480



20.6478, 0.3311, 0.3674



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

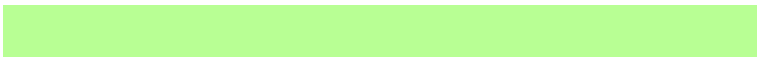
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.4923, 0.3624, 0.4380



90.2816, 0.3704, 0.4580



83.8095, 0.3276, 0.4516



20.9180, 0.3241, 0.3527



44.5682, 0.3882, 0.5300



4.3802, 0.3919, 0.5270

Inverse Universe

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



36.6227, 0.2469, 0.2029



29.0255, 0.2314, 0.1754



43.5184, 0.2877, 0.2160



17.5328, 0.3006, 0.3046



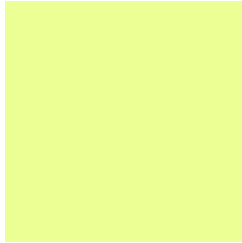
4.1120, 0.1579, 0.0644



0.4407, 0.1672, 0.0695

Previews

White Background



This preview shows how the Yxy color 91.4910, 0.3624, 0.4380 looks on a white background.

Color Contrast Check

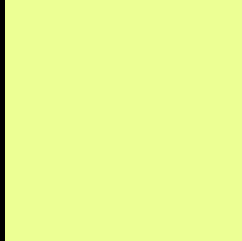
Large Text (above 18pt) WCAG AA × Fail

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 91.4910, 0.3624, 0.4380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

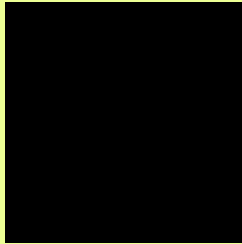
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.4910, 0.3624, 0.4380

Background



This preview shows how black text looks on a background with the Yxy color 91.4910, 0.3624, 0.4380.

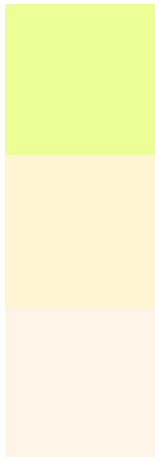


This preview shows how white text looks on a background with the Yxy color 91.4910, 0.3624, 0.4380.

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

91.4910, 0.3624, 0.4380

Protanopia

91.2180, 0.3410, 0.3637

Deuteranopia

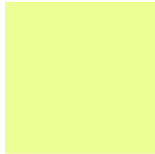
91.1874, 0.3274, 0.3398



Tritanopia

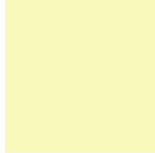
91.2776, 0.3088, 0.3173

Trichromacy



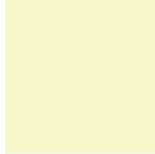
Original Color

91.4910, 0.3624, 0.4380



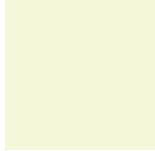
Protanomaly

91.2957, 0.3497, 0.3915



Deuteranomaly

90.6950, 0.3415, 0.3754



Tritanomaly

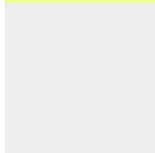
90.7125, 0.3295, 0.3603

Monochromacy



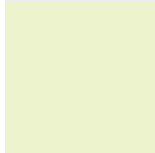
Original Color

91.4910, 0.3624, 0.4380



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

87.1137, 0.3320, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.4910, 0.3624, 0.4380 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(236, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 148)  
}
```

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(236, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 148) }
```

Border

The CSS property to change the border of an element to Yxy 91.4910, 0.3624, 0.4380 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(236, 255, 148) }
```

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

```
.border{ border-color:rgb(236, 255, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 91.4910, 0.3624, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 148) }
```

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

```
.background{ background-color: rgb(236,  
255, 148) }
```

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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