

Converting Colors

$Y_{xy}(92.1981, 0.3513, 0.4179)$

Have a look what the booklet for
Yxy(92.1981, 0.3513, 0.4179)
contains.

Yxy(92.1800, 0.3513, 0.4183)	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(92.1800, 0.3513, 0.4183)

Conversions

Conversions Part 1

Format	Color
Hex	ECFFA8
RGB	236, 255, 168
RGB Percent	93%, 100%, 66%
CMY	0.0746, 0.0000, 0.3410
CMYK	0.07, 0.00, 0.34, 0.00
HSL	73°, 100%, 83%
HSV	73°, 34%, 100%
XYZ	77.4153, 92.1800, 50.7728
YIQ	239.4010, 16.6030, -31.0850

Conversions

Conversions Part 2

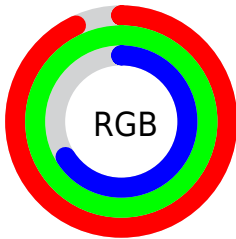
Format	Color
RYB	168, 255, 187
Decimal	15531944
CIELab	96.89, -19.67, 39.55
CIELCh	97, 44.173, 116.436
Yxy	92.1800, 0.3513, 0.4183
Android (android.graphics.Color)	4293722024 (0xFFE0FFA8)
YUV	239.4010, -35.2007, -2.9827
Hunter-Lab	96.0104, -24.0897, 35.8532

Details

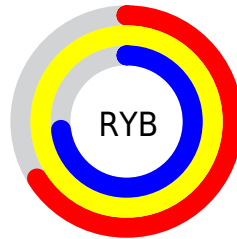
The Yxy color **92.1800, 0.3513, 0.4183** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.8098, 0.2641, 0.2301**, and the grayscale version is **86.9108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **51.2097, 0.3580, 0.4377** is the 20% darker color. If you saturate the color by 10%, you get **90.3772, 0.3614, 0.4448**, and if you desaturate by 10%, it is **94.1921, 0.3403, 0.3913**.

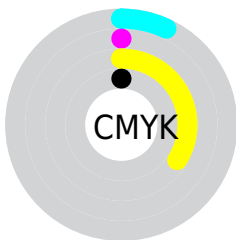
Distribution



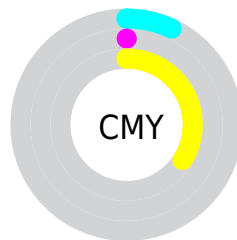
- Red (93%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (73%)



- Cyan (7%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.1800, 0.3513, 0.4183 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 92.1800, 0.3513, 0.4183 by changing the saturation by 10% instead.


 92.1800, 0.3513,
0.4183

 92.1800, 0.3513,
0.4183


535.0971, 0.3353,
0.3777

 69.7901, 0.3544,
0.4273


 150.3628, 0.3462,
0.4044

 51.3555, 0.3581,
0.4382


186.9246, 0.3440,
0.3990

 36.4916, 0.3623,
0.4517


228.9792, 0.3422,
0.3942

 24.8141, 0.3670,
0.4687

276.9108, 0.3405,
0.3901

 15.9386, 0.3722,
0.4908

331.1041, 0.3390,
0.3865

 9.4807, 0.3771,
0.5201

391.9433, 0.3377,

 5.0560, 0.3827,

0.3832

0.5642

459.8128, 0.3364,
0.3803

2.2802, 0.3778,
0.6222

0.7632, 0.2432,
0.7568

92.1800, 0.3513,
0.4183

92.1800, 0.3513,
0.4183

90.3772, 0.3614,
0.4448

94.1921, 0.3403,
0.3913

88.7828, 0.3701,
0.4697

96.4341, 0.3288,
0.3646

87.3811, 0.3768,
0.4918

98.9123, 0.3173,
0.3391

86.1581, 0.3811,
0.5100

100.0000, 0.3127,
0.3290

■ 85.0979, 0.3827,
0.5237

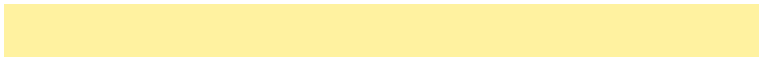
■ 84.1807, 0.3818,
0.5327

■ 83.6907, 0.3804,
0.5362

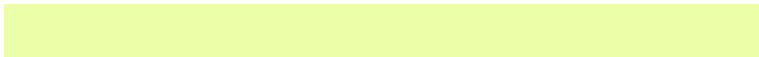
Harmonies

Analogous

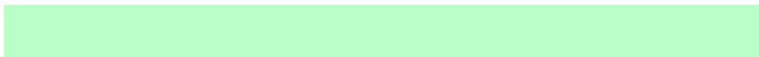
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1800, 0.3913, 0.4048



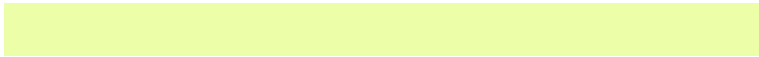
92.1800, 0.3513, 0.4183



92.1800, 0.3028, 0.4034

Triad

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



92.1800, 0.3513, 0.4183



92.1800, 0.2234, 0.2743



92.1800, 0.3660, 0.2969

Complementary

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



92.1800, 0.3513, 0.4183



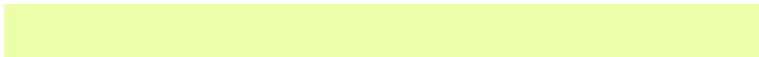
45.8098, 0.2641, 0.2301

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.



92.1800, 0.3167, 0.2677



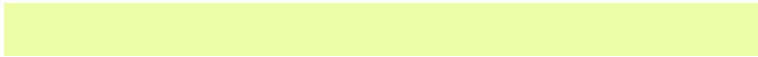
92.1800, 0.3513, 0.4183



92.1800, 0.2370, 0.2536

Square

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



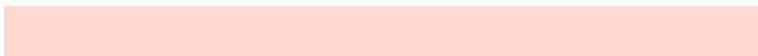
92.1800, 0.3513, 0.4183



92.1800, 0.2310, 0.3134



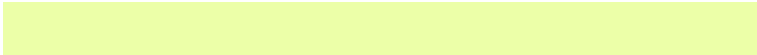
92.1800, 0.2698, 0.2521



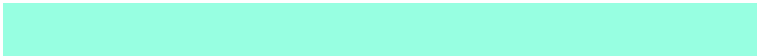
92.1800, 0.4015, 0.3342

Rectangle

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



92.1800, 0.3513, 0.4183



92.1800, 0.2724, 0.3781



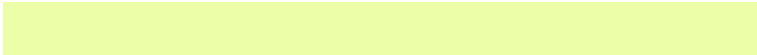
92.1800, 0.2698, 0.2521



92.1800, 0.3503, 0.2860

Sweetspot

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



92.1765, 0.3513, 0.4183



97.4223, 0.3241, 0.3540



59.5763, 0.3869, 0.3490



20.7790, 0.3257, 0.3576



0.0000, 0.0000, 0.0000



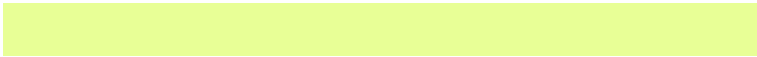
21.4041, 0.3127, 0.3290

Same Dimension

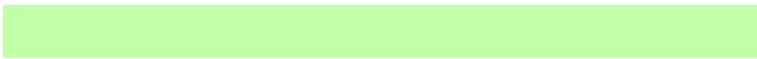
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.1765, 0.3513, 0.4183



90.9133, 0.3584, 0.4367



85.6430, 0.3228, 0.4270



20.8785, 0.3235, 0.3527



43.7986, 0.3810, 0.5357



4.3117, 0.3856, 0.5320

Inverse Universe

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



45.8098, 0.2641, 0.2301



38.0979, 0.2519, 0.2071



52.1199, 0.2970, 0.2389



17.5693, 0.3013, 0.3047



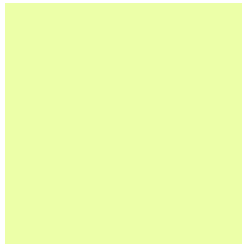
4.2616, 0.1613, 0.0662



0.4603, 0.1716, 0.0719

Previews

White Background



This preview shows how the Yxy color 92.1800, 0.3513, 0.4183 looks on a white background.

Color Contrast Check

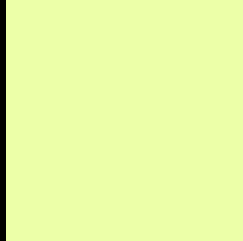
Large Text (above 18pt) WCAG AA × Fail

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 92.1800, 0.3513, 0.4183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

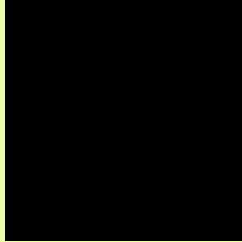
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 92.1800, 0.3513, 0.4183

Background



This preview shows how black text looks on a background with the Yxy color 92.1800, 0.3513, 0.4183.

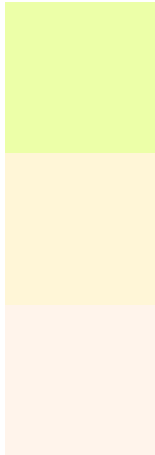


This preview shows how white text looks on a background with the Yxy color 92.1800, 0.3513, 0.4183.

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

92.1800, 0.3513, 0.4183

Protanopia

92.0778, 0.3377, 0.3596

Deuteranopia

91.9595, 0.3254, 0.3378

Tritanopia

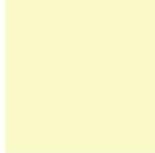
91.6955, 0.3081, 0.3183

Trichromacy



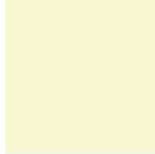
Original Color

92.1800, 0.3513, 0.4183



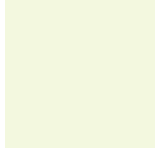
Protanomaly

91.7850, 0.3430, 0.3803



Deuteranomaly

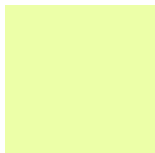
91.7944, 0.3351, 0.3661



Tritanomaly

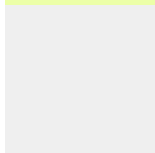
91.5172, 0.3245, 0.3541

Monochromacy



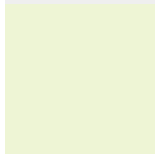
Original Color

92.1800, 0.3513, 0.4183



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.2861, 0.3276, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.1800, 0.3513, 0.4183 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 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(236, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 168) }
```

Border

The CSS property to change the border of an element to Yxy 92.1800, 0.3513, 0.4183 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, 168) }
```

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

```
.border{ border-color:rgb(236, 255, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 92.1800, 0.3513, 0.4183 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, 168) }
```

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

```
.background{ background-color: rgb(236,  
255, 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](#).

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