

Converting Colors

$Y_{xy}(92.7302, 0.3532, 0.4173)$

Have a look what the booklet for
Yxy(92.7302, 0.3532, 0.4173)
contains.

Yxy(92.6979, 0.3534, 0.4177)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(92.6979, 0.3534, 0.4177)

Conversions

Conversions Part 1

Format	Color
Hex	EFFFA8
RGB	239, 255, 168
RGB Percent	94%, 100%, 66%
CMY	0.0627, 0.0000, 0.3412
CMYK	0.06, 0.00, 0.34, 0.00
HSL	71°, 100%, 83%
HSV	71°, 34%, 100%
XYZ	78.4281, 92.6979, 50.7985
YIQ	240.2980, 18.3910, -30.4490

Conversions

Conversions Part 2

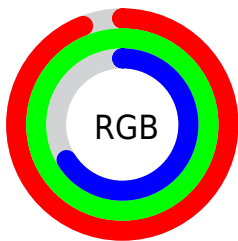
Format	Color
RYB	168, 255, 184
Decimal	15728552
CIELab	97.10, -18.55, 39.89
CIELCh	97, 43.992, 114.937
Yxy	92.6979, 0.3534, 0.4177
Android (android.graphics.Color)	4293918632 (0xFFEFFFFA8)
YUV	240.2980, -35.6429, -1.1383
Hunter-Lab	96.2797, -23.0859, 36.1136

Details

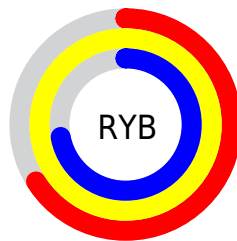
The Yxy color **92.6979, 0.3534, 0.4177** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.4084, 0.2619, 0.2295**, and the grayscale version is **87.6600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **51.5711, 0.3606, 0.4367** is the 20% darker color. If you saturate the color by 10%, you get **91.0369, 0.3642, 0.4437**, and if you desaturate by 10%, it is **94.5720, 0.3417, 0.3910**.

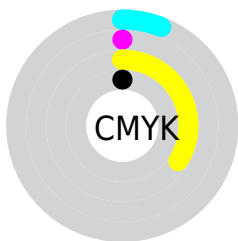
Distribution



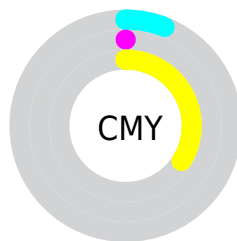
- Red (94%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (72%)



- Cyan (6%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)



- Cyan (6%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.6979, 0.3534, 0.4177 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 92.6979, 0.3534, 0.4177 by changing the saturation by 10% instead.

 92.6979, 0.3534,
0.4177

 92.6979, 0.3534,
0.4177

536.7685, 0.3365,
0.3775

 70.2204, 0.3568,
0.4266


 151.0803, 0.3479,
0.4040

 51.7063, 0.3606,
0.4373

 187.7540, 0.3457,
0.3986

 36.7710, 0.3651,
0.4506


229.9286, 0.3437,
0.3939

 25.0302, 0.3702,
0.4673

277.9885, 0.3420,
0.3898

 16.0996, 0.3759,
0.4888

332.3180, 0.3404,
0.3862

 9.5946, 0.3815,
0.5172

393.3016, 0.3390,

 5.1310, 0.3881,

0.3830

0.5598

461.3236, 0.3377,
0.3801

■ 2.3243, 0.3850,
0.6150

■ 0.7866, 0.2726,
0.7274

■ 92.6979, 0.3534,
0.4177

■ 92.6979, 0.3534,
0.4177

■ 91.0369, 0.3642,
0.4437

■ 94.5720, 0.3417,
0.3910

■ 89.5695, 0.3735,
0.4679

■ 96.6610, 0.3296,
0.3646

■ 88.2861, 0.3808,
0.4893

■ 98.9772, 0.3176,
0.3391

■ 87.1732, 0.3857,
0.5068

100.0000, 0.3127,
0.3290

■ 86.2146, 0.3880,
0.5198

■ 85.3910, 0.3877,
0.5281

■ 84.9536, 0.3866,
0.5313

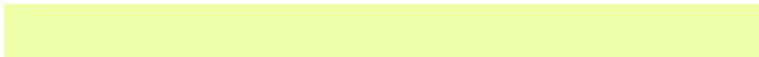
Harmonies

Analogous

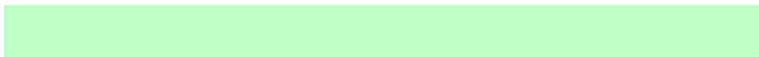
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6979, 0.3924, 0.4031



92.6979, 0.3534, 0.4177



92.6979, 0.3053, 0.4044

Triad

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



92.6979, 0.3534, 0.4177



92.6979, 0.2238, 0.2762



92.6979, 0.3634, 0.2954

Complementary

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



92.6979, 0.3534, 0.4177



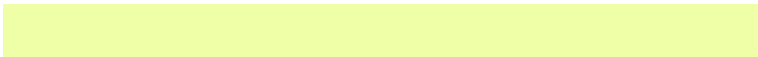
45.4084, 0.2619, 0.2295

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.



92.6979, 0.3142, 0.2669



92.6979, 0.3534, 0.4177



92.6979, 0.2362, 0.2546

Square

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



92.6979, 0.3534, 0.4177



92.6979, 0.2324, 0.3159



92.6979, 0.2681, 0.2521



92.6979, 0.3998, 0.3322

Rectangle

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



92.6979, 0.3534, 0.4177



92.6979, 0.2748, 0.3800



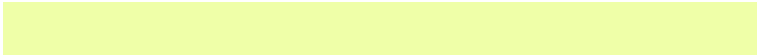
92.6979, 0.2681, 0.2521



92.6979, 0.3476, 0.2847

Sweetspot

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



92.7007, 0.3534, 0.4177



97.5876, 0.3247, 0.3539



58.3436, 0.3880, 0.3460



20.8192, 0.3264, 0.3576



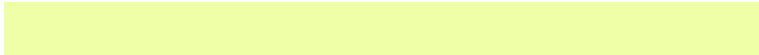
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

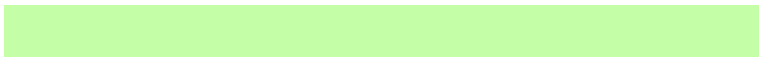
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.7007, 0.3534, 0.4177



91.5347, 0.3609, 0.4357



86.0214, 0.3246, 0.4265



20.9122, 0.3241, 0.3527



44.4509, 0.3871, 0.5308



4.3698, 0.3910, 0.5277

Inverse Universe

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



45.4084, 0.2619, 0.2295



37.6840, 0.2492, 0.2063



51.6253, 0.2947, 0.2382



17.5382, 0.3007, 0.3046



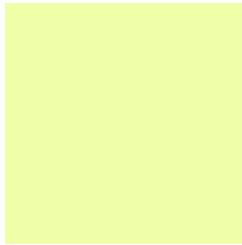
4.1322, 0.1584, 0.0646



0.4434, 0.1678, 0.0698

Previews

White Background



This preview shows how the Yxy color 92.6979, 0.3534, 0.4177 looks on a white background.

Color Contrast Check

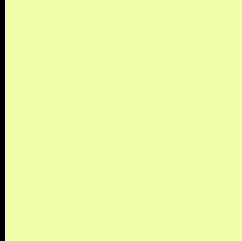
Large Text (above 18pt) WCAG AA × Fail

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 92.6979, 0.3534, 0.4177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

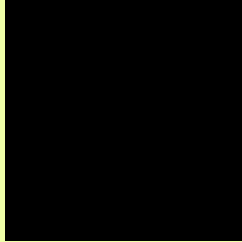
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

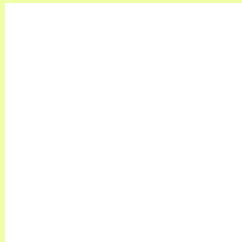
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.6979, 0.3534, 0.4177

Background



This preview shows how black text looks on a background with the Yxy color 92.6979, 0.3534, 0.4177.

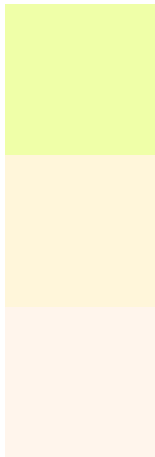


This preview shows how white text looks on a background with the Yxy color 92.6979, 0.3534, 0.4177.

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

92.6979, 0.3534, 0.4177

Protanopia

92.2335, 0.3358, 0.3566

Deuteranopia

92.6209, 0.3247, 0.3378



Tritanopia

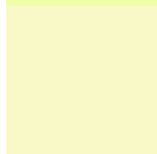
92.6646, 0.3093, 0.3193

Trichromacy



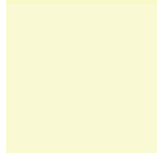
Original Color

92.6979, 0.3534, 0.4177



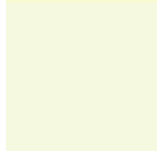
Protanomaly

92.0612, 0.3424, 0.3782



Deuteranomaly

92.5942, 0.3357, 0.3670



Tritanomaly

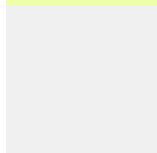
92.4916, 0.3257, 0.3550

Monochromacy



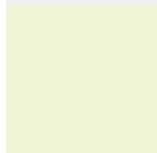
Original Color

92.6979, 0.3534, 0.4177



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.6851, 0.3283, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.6979, 0.3534, 0.4177 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(239, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 168) }
```

Border

The CSS property to change the border of an element to Yxy 92.6979, 0.3534, 0.4177 is called "border". The border property can be set on classes, ids or directly on the HTML element.

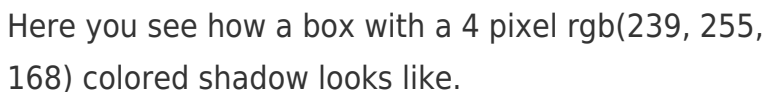
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 255, 168) }
```

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

```
.border{ border-color:rgb(239, 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(239, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 255, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 255, 168); box-shadow:4px 4px 4px 4px rgb(239, 255, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 92.6979, 0.3534, 0.4177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 168) }
```

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

```
.background{ background-color: rgb(239,  
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