

# Converting Colors

$Y_{xy}(92.3254, 0.3612, 0.4140)$

Have a look what the booklet for  
Yxy(92.3254, 0.3612, 0.4140)  
contains.

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# Color

**Yxy(92.3673, 0.3610, 0.4142)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FCA7
RGB	248, 252, 167
RGB Percent	97%, 99%, 65%
CMY	0.0273, 0.0118, 0.3452
CMYK	0.02, 0.00, 0.34, 0.01
HSL	63°, 93%, 82%
HSV	63°, 34%, 99%
XYZ	80.5036, 92.3673, 50.1308
YIQ	241.1140, 24.9010, -27.2830

# Conversions

## Conversions Part 2

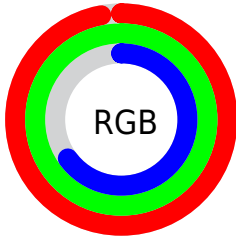
Format	Color
<a href="#">RYB</a>	<a href="#">167, 252, 171</a>
Decimal	<a href="#">16317607</a>
CIELab	<a href="#">96.97, -13.87, 40.34</a>
CIElCh	<a href="#">97, 42.658, 108.970</a>
Yxy	<a href="#">92.3673, 0.3610, 0.4142</a>
Android (android.graphics.Color)	<a href="#">4294507687 (0xFFFF8FCA7)</a>
YUV	<a href="#">241.1140, -36.5382, 6.0390</a>
Hunter-Lab	<a href="#">96.1079, -18.6705, 36.3493</a>

# Details

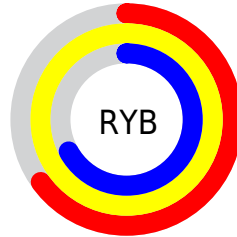
The Yxy color **92.3673, 0.3610, 0.4142** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.3068, 0.2543, 0.2287**, and the grayscale version is **88.3404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **51.7711, 0.3701, 0.4328** is the 20% darker color. If you saturate the color by 10%, you get **91.3145, 0.3744, 0.4383**, and if you desaturate by 10%, it is **93.6114, 0.3468, 0.3889**.

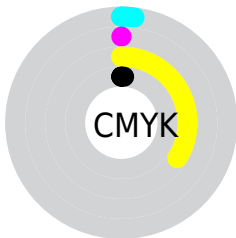
# Distribution



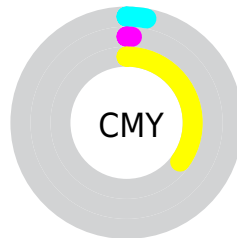
- Red (97%)
- Green (99%)
- Blue (65%)



- Red (65%)
- Yellow (99%)
- Blue (67%)



- Cyan (2%)
- Magenta (0%)
- Yellow (34%)
- Black (1%)




- Cyan (3%)
- Magenta (1%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.3673, 0.3610, 0.4142 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 92.3673, 0.3610, 0.4142 by changing the saturation by 10% instead.




 92.3673, 0.3610,  
0.4142

 92.3673, 0.3610,  
0.4142


535.7019, 0.3406,  
0.3759

 69.9457, 0.3651,  
0.4225


 150.6224, 0.3543,  
0.4012

 51.4823, 0.3700,  
0.4326


 187.2246, 0.3516,  
0.3961

 36.5926, 0.3756,  
0.4450


229.3226, 0.3492,  
0.3916

 24.8922, 0.3823,  
0.4605

277.3007, 0.3471,  
0.3877

 15.9968, 0.3900,  
0.4802

331.5433, 0.3452,  
0.3843

 9.5219, 0.3984,  
0.5058


392.4347, 0.3435,


 5.0831, 0.4096,

0.3812

0.5443


460.3595, 0.3420,  
0.3784


 2.2961, 0.4112,  
0.5888


 0.7716, 0.3385,  
0.6615


 92.3673, 0.3610,  
0.4142


 92.3673, 0.3610,  
0.4142


 91.3145, 0.3744,  
0.4383


 93.6114, 0.3468,  
0.3889

 90.4298, 0.3863,  
0.4603

 95.0439, 0.3323,  
0.3632

 89.7059, 0.3962,  
0.4790

 96.6782, 0.3180,  
0.3381

 89.1293, 0.4036,  
0.4937

 97.6725, 0.3114,  
0.3261

■ 88.6851, 0.4084,  
0.5039

■ 97.8934, 0.3122,  
0.3261

■ 88.3545, 0.4107,  
0.5098

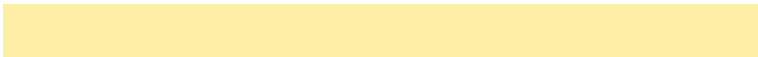
■ 98.0998, 0.3128,  
0.3261

■ 88.1886, 0.4111,  
0.5118

# Harmonies

## Analogous

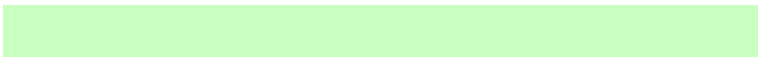
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.3673, 0.3955, 0.3959



92.3673, 0.3610, 0.4142



92.3673, 0.3150, 0.4069

# Triad

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



92.3673, 0.3610, 0.4142



92.3673, 0.2262, 0.2842



92.3673, 0.3530, 0.2900

# Complementary

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



92.3673, 0.3610, 0.4142



43.3068, 0.2543, 0.2287

# 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.



92.3673, 0.3046, 0.2645



92.3673, 0.3610, 0.4142



92.3673, 0.2343, 0.2593

# Square

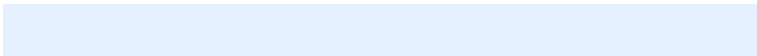
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.3673, 0.3610, 0.4142



92.3673, 0.2387, 0.3256



92.3673, 0.2618, 0.2532



92.3673, 0.3919, 0.3248

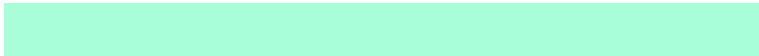


# Rectangle

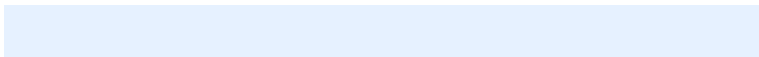
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.3673, 0.3610, 0.4142



92.3673, 0.2844, 0.3865



92.3673, 0.2618, 0.2532



92.3673, 0.3371, 0.2802

# Sweetspot

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



92.3715, 0.3610, 0.4142



98.2403, 0.3269, 0.3538



52.1616, 0.3915, 0.3323



20.9782, 0.3289, 0.3573



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

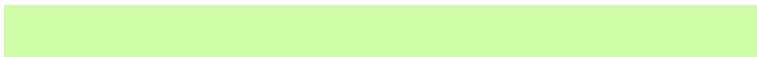
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.3715, 0.3610, 0.4142



94.1890, 0.3695, 0.4296



85.6241, 0.3328, 0.4227



20.1471, 0.3262, 0.3525



45.9578, 0.4112, 0.5117



4.2688, 0.4122, 0.5109



# Inverse Universe

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



43.3068, 0.2543, 0.2287



37.2468, 0.2413, 0.2066



48.7005, 0.2850, 0.2367



16.6816, 0.2986, 0.3045



3.7179, 0.1514, 0.0608

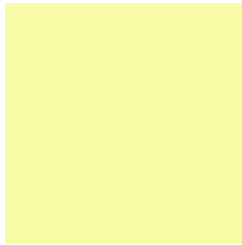


0.3575, 0.1548, 0.0626



# Previews

## White Background



This preview shows how the Yxy color 92.3673, 0.3610, 0.4142 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

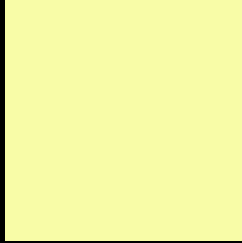
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.3673, 0.3610, 0.4142 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

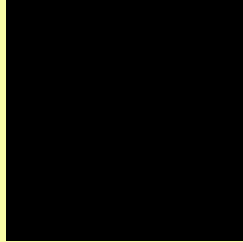
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.3673, 0.3610, 0.4142**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.3673, 0.3610, 0.4142.

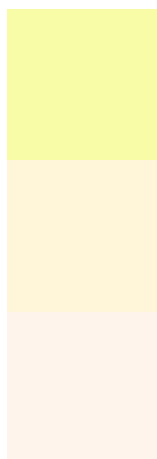


This preview shows how white text looks on a background with the Yxy color 92.3673, 0.3610, 0.4142.

# 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

92.3673, 0.3610, 0.4142

### Protanopia

92.1813, 0.3364, 0.3576

### Deuteranopia

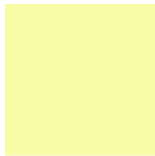
91.9595, 0.3254, 0.3378



## Tritanopia

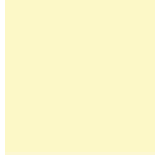
91.9843, 0.3133, 0.3165

# Trichromacy



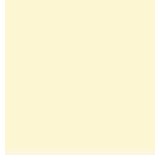
## Original Color

92.3673, 0.3610, 0.4142



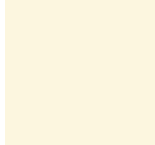
## Protanomaly

91.9538, 0.3453, 0.3779



## Deuteranomaly

91.8701, 0.3386, 0.3658



## Tritanomaly

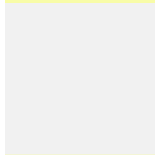
91.9347, 0.3307, 0.3518

# Monochromacy



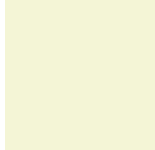
## Original Color

92.3673, 0.3610, 0.4142



## Achromatopsia

87.9622, 0.3127, 0.3290



## Achromatomaly

89.3930, 0.3310, 0.3604

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.3673, 0.3610, 0.4142 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(248, 252, 167)` looks like.

```
.text, #text, p{  
    color:rgb(248, 252, 167)  
}
```

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(248, 252, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 252, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 92.3673, 0.3610, 0.4142 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(248, 252, 167) }
```

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

```
.border{ border-color:rgb(248, 252, 167) }
```

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

Here you see how a box with a 4 pixel rgb(248, 252, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 252, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 252, 167);  
box-shadow:4px 4px 4px 4px rgb(248, 252,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.3673, 0.3610, 0.4142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 252, 167) }
```

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

```
.background{ background-color: rgb(248,  
252, 167) }
```

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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