

Converting Colors

Yxy(91.9248, 0.3587, 0.4300)

Have a look what the booklet for
Yxy(91.9248, 0.3587, 0.4300)
contains.

Yxy(91.9248, 0.3587, 0.4300)	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(91.9248, 0.3587, 0.4300)

Conversions

Conversions Part 1

Format	Color
Hex	EDFF9C
RGB	237, 255, 156
RGB Percent	93%, 100%, 61%
CMY	0.0707, 0.0000, 0.3881
CMYK	0.07, 0.00, 0.39, 0.00
HSL	71°, 100%, 81%
HSV	71°, 39%, 100%
XYZ	76.6824, 91.9248, 45.1714
YIQ	238.3320, 21.0510, -34.6050

Conversions

Conversions Part 2

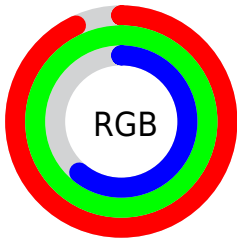
Format	Color
RYB	156, 255, 174
Decimal	15597468
CIELab	96.79, -20.69, 45.30
CIELCh	97, 49.804, 114.552
Yxy	91.9248, 0.3587, 0.4300
Android (android.graphics.Color)	4293787548 (0xFFEDFF9C)
YUV	238.3320, -40.5897, -1.1682
Hunter-Lab	95.8774, -25.0219, 39.1805

Details

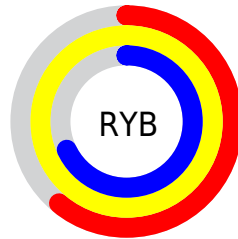
The Yxy color **91.9248, 0.3587, 0.4300** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.0172, 0.2532, 0.2137**, and the grayscale version is **86.0763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **51.0707, 0.3668, 0.4518** is the 20% darker color. If you saturate the color by 10%, you get **90.3576, 0.3689, 0.4553**, and if you desaturate by 10%, it is **93.6886, 0.3473, 0.4035**.

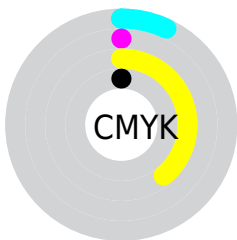
Distribution



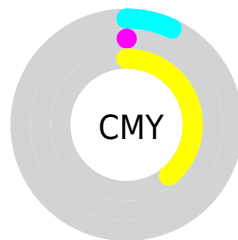
- Red (93%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (68%)



- Cyan (7%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.9248, 0.3587, 0.4300 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 91.9248, 0.3587, 0.4300 by changing the saturation by 10% instead.


 91.9248, 0.3587,
0.4300


 91.9248, 0.3587,
0.4300

534.2725, 0.3399,
0.3842

 69.5782, 0.3623,
0.4400


 150.0092, 0.3527,
0.4144

 51.1827, 0.3665,
0.4522


 186.5157, 0.3502,
0.4083

 36.3540, 0.3711,
0.4671


228.5110, 0.3480,
0.4029

 24.7078, 0.3762,
0.4858

276.3794, 0.3460,
0.3983

 15.8595, 0.3814,
0.5095

330.5054, 0.3442,
0.3941

 9.4248, 0.3855,
0.5400

391.2733, 0.3426,

 5.0193, 0.3965,

0.3905

0.5961

459.0675, 0.3412,
0.3872

■ 2.2586, 0.3715,
0.6285

■ 0.7516, 0.2177,
0.7823

■ 91.9248, 0.3587,
0.4300

■ 91.9248, 0.3587,
0.4300

■ 90.3576, 0.3689,
0.4553

■ 93.6886, 0.3473,
0.4035

■ 88.9835, 0.3774,
0.4783

■ 95.6678, 0.3354,
0.3769

■ 87.7871, 0.3836,
0.4979

■ 97.8694, 0.3232,
0.3509

■ 86.7535, 0.3873,
0.5133

100.0000, 0.3127,
0.3290

■ 85.8654, 0.3884,
0.5240

■ 85.0978, 0.3871,
0.5304

■ 85.0104, 0.3869,
0.5310

Harmonies

Analogous

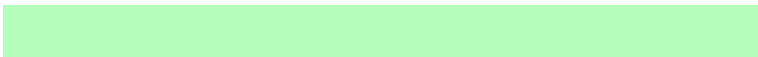
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9248, 0.4029, 0.4117



91.9248, 0.3587, 0.4300



91.9248, 0.3044, 0.4160

Triad

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



91.9248, 0.3587, 0.4300



91.9248, 0.2130, 0.2693



91.9248, 0.3695, 0.2905

Complementary

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



91.9248, 0.3587, 0.4300



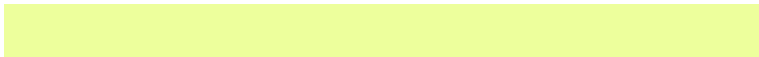
40.0172, 0.2532, 0.2137

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.



91.9248, 0.3133, 0.2592



91.9248, 0.3587, 0.4300



91.9248, 0.2265, 0.2454

Square

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



91.9248, 0.3587, 0.4300



91.9248, 0.2226, 0.3141



91.9248, 0.2616, 0.2428



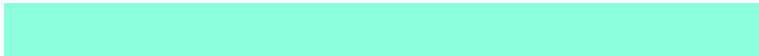
91.9248, 0.4113, 0.3313

Rectangle

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



91.9248, 0.3587, 0.4300



91.9248, 0.2700, 0.3881



91.9248, 0.2616, 0.2428



91.9248, 0.3514, 0.2787

Sweetspot

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



91.9221, 0.3587, 0.4300



97.1418, 0.3271, 0.3591



53.3707, 0.4033, 0.3466



20.7300, 0.3287, 0.3625



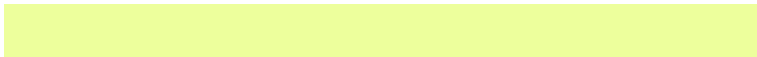
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

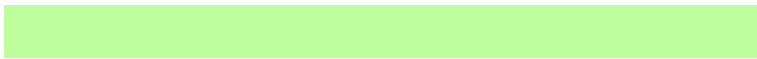
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.9221, 0.3587, 0.4300



90.6258, 0.3672, 0.4509



84.7441, 0.3268, 0.4413



20.9136, 0.3241, 0.3527



44.4802, 0.3874, 0.5306



4.3724, 0.3912, 0.5276

Inverse Universe

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



40.0172, 0.2532, 0.2137



31.7559, 0.2377, 0.1857



46.5427, 0.2902, 0.2248



17.5368, 0.3007, 0.3046



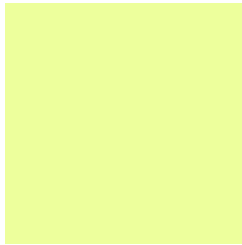
4.1270, 0.1582, 0.0645



0.4427, 0.1676, 0.0697

Previews

White Background



This preview shows how the Yxy color 91.9248, 0.3587, 0.4300 looks on a white background.

Color Contrast Check

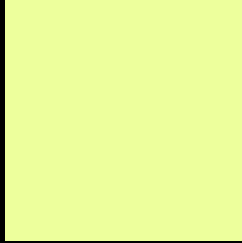
Large Text (above 18pt) WCAG AA × Fail

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 91.9248, 0.3587, 0.4300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

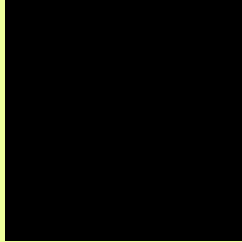
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

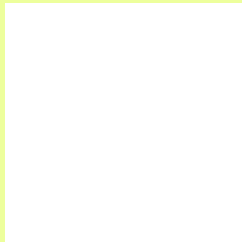
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.9248, 0.3587, 0.4300

Background



This preview shows how black text looks on a background with the Yxy color 91.9248, 0.3587, 0.4300.

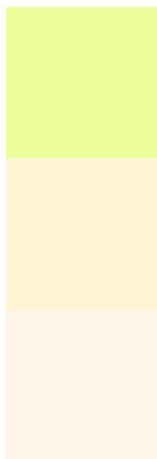


This preview shows how white text looks on a background with the Yxy color 91.9248, 0.3587, 0.4300.

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

91.9248, 0.3587, 0.4300

Protanopia

91.3689, 0.3391, 0.3607

Deuteranopia

91.8446, 0.3267, 0.3398

Tritanopia

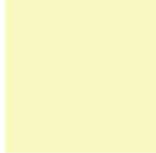
91.8778, 0.3087, 0.3183

Trichromacy



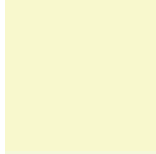
Original Color

91.9248, 0.3587, 0.4300



Protanomaly

91.5136, 0.3467, 0.3864



Deuteranomaly

91.4990, 0.3389, 0.3722



Tritanomaly

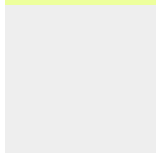
91.4824, 0.3276, 0.3582

Monochromacy



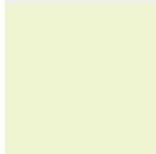
Original Color

91.9248, 0.3587, 0.4300



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.4326, 0.3308, 0.3661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.9248, 0.3587, 0.4300 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(237, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 156)  
}
```

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(237, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 156) }
```

Border

The CSS property to change the border of an element to Yxy 91.9248, 0.3587, 0.4300 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(237, 255, 156) }
```

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

```
.border{ border-color:rgb(237, 255, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 91.9248, 0.3587, 0.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 156) }
```

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

```
.background{ background-color: rgb(237,  
255, 156) }
```

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