

Converting Colors

$Y_{xy}(100.0000, 0.3572, 0.4467)$

Have a look what the booklet for
Yxy(100.0000, 0.3572, 0.4467)
contains.

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Color

Yxy(91.5549, 0.3613, 0.4361)

Conversions

Conversions Part 1

Format	Color
Hex	ECFF96
RGB	236, 255, 150
RGB Percent	93%, 100%, 59%
CMY	0.0746, 0.0000, 0.4117
CMYK	0.07, 0.00, 0.41, 0.00
HSL	71°, 100%, 79%
HSV	71°, 41%, 100%
XYZ	75.8514, 91.5549, 42.5339
YIQ	237.3490, 22.3810, -36.6830

Conversions

Conversions Part 2

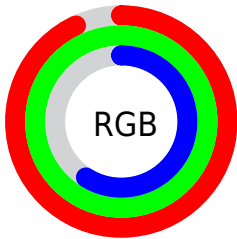
Format	Color
RYB	150, 255, 169
Decimal	15531926
CIELab	96.64, -21.73, 48.00
CIELCh	97, 52.690, 114.355
Yxy	91.5549, 0.3613, 0.4361
Android (android.graphics.Color)	4293722006 (0xFFE0FF96)
YUV	237.3490, -43.0631, -1.1831
Hunter-Lab	95.6843, -25.9461, 40.6233

Details

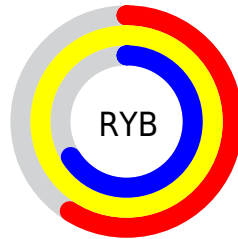
The Yxy color **91.5549, 0.3613, 0.4361** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.4777, 0.2487, 0.2056**, and the grayscale version is **85.2908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2362, 0.3418, 0.3770**, and **50.8349, 0.3697, 0.4590** is the 20% darker color. If you saturate the color by 10%, you get **90.0359, 0.3712, 0.4609**, and if you desaturate by 10%, it is **93.2650, 0.3502, 0.4098**.

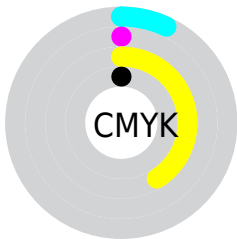
Distribution



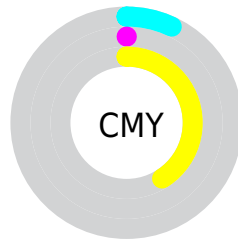
- Red (93%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (66%)



- Cyan (7%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.5549, 0.3613, 0.4361 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 91.5549, 0.3613, 0.4361 by changing the saturation by 10% instead.


 91.5549, 0.3613,
0.4361

 91.5549, 0.3613,
0.4361


533.0760, 0.3416,
0.3876

 69.2710, 0.3650,
0.4467


 149.4963, 0.3551,
0.4196

 50.9324, 0.3693,
0.4595

 185.9227, 0.3524,
0.4131

 36.1548, 0.3739,
0.4752


227.8319, 0.3501,
0.4074

 24.5538, 0.3789,
0.4947

275.6085, 0.3480,
0.4025

 15.7449, 0.3837,
0.5193

329.6368, 0.3462,
0.3981

 9.3438, 0.3868,
0.5505

390.3012, 0.3445,

 4.9661, 0.3945,

0.3942

0.6055

457.9862, 0.3430,
0.3907

■ 2.2274, 0.3649,
0.6351

■ 0.7349, 0.1861,
0.8139

■ 91.5549, 0.3613,
0.4361

■ 91.5549, 0.3613,
0.4361

■ 90.0359, 0.3712,
0.4609

■ 93.2650, 0.3502,
0.4098

■ 88.7082, 0.3792,
0.4832

■ 95.1892, 0.3383,
0.3832

■ 87.5547, 0.3849,
0.5019

■ 97.3334, 0.3261,
0.3569

■ 86.5600, 0.3879,
0.5162

■ 99.7069, 0.3141,
0.3318

■ 85.7060, 0.3884,
0.5258

100.0000, 0.3127,
0.3290

■ 85.0440, 0.3870,
0.5309

Harmonies

Analogous

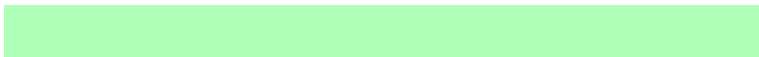
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5549, 0.4080, 0.4158



91.5549, 0.3613, 0.4361



91.5549, 0.3040, 0.4219

Triad

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



91.5549, 0.3613, 0.4361



91.5549, 0.2077, 0.2659



91.5549, 0.3725, 0.2881

Complementary

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



91.5549, 0.3613, 0.4361



37.4777, 0.2487, 0.2056

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.



91.5549, 0.3128, 0.2554



91.5549, 0.3613, 0.4361



91.5549, 0.2217, 0.2409

Square

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



91.5549, 0.3613, 0.4361



91.5549, 0.2179, 0.3133



91.5549, 0.2583, 0.2383



91.5549, 0.4171, 0.3307

Rectangle

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



91.5549, 0.3613, 0.4361



91.5549, 0.2677, 0.3922



91.5549, 0.2583, 0.2383



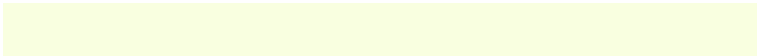
91.5549, 0.3532, 0.2758

Sweetspot

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



91.5508, 0.3613, 0.4361



97.1469, 0.3271, 0.3591



51.2885, 0.4112, 0.3477



20.7313, 0.3287, 0.3625



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

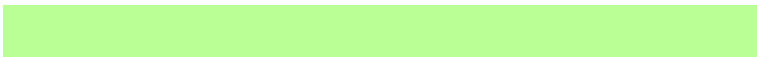
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.5508, 0.3613, 0.4361



90.3483, 0.3692, 0.4557



84.0382, 0.3274, 0.4490



20.9145, 0.3241, 0.3527



44.4975, 0.3876, 0.5305



4.3739, 0.3914, 0.5274

Inverse Universe

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



37.4777, 0.2487, 0.2056



29.9413, 0.2337, 0.1789



44.2544, 0.2883, 0.2182



17.5360, 0.3007, 0.3046



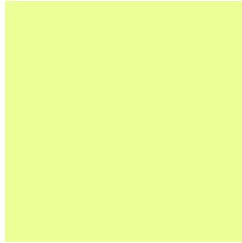
4.1240, 0.1582, 0.0645



0.4423, 0.1676, 0.0697

Previews

White Background



This preview shows how the Yxy color 91.5549, 0.3613, 0.4361 looks on a white background.

Color Contrast Check

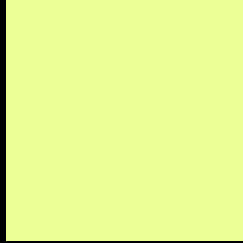
Large Text (above 18pt) WCAG AA × Fail

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 91.5549, 0.3613, 0.4361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

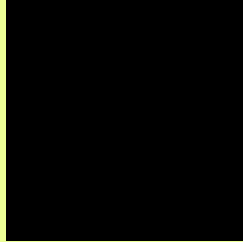
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.5549, 0.3613, 0.4361

Background



This preview shows how black text looks on a background with the Yxy color 91.5549, 0.3613, 0.4361.

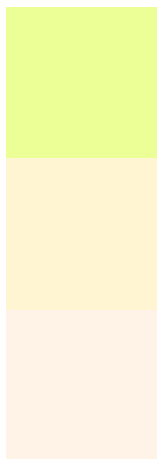


This preview shows how white text looks on a background with the Yxy color 91.5549, 0.3613, 0.4361.

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

91.5549, 0.3613, 0.4361

Protanopia

91.2180, 0.3410, 0.3637

Deuteranopia

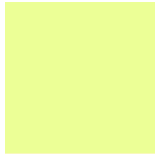
91.1874, 0.3274, 0.3398



Tritanopia

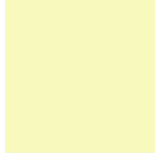
91.2776, 0.3088, 0.3173

Trichromacy



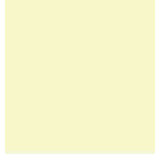
Original Color

91.5549, 0.3613, 0.4361



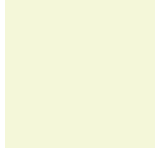
Protanomaly

91.3387, 0.3491, 0.3905



Deuteranomaly

90.7423, 0.3409, 0.3743



Tritanomaly

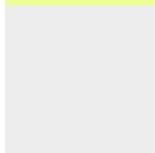
90.7644, 0.3289, 0.3593

Monochromacy



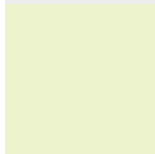
Original Color

91.5549, 0.3613, 0.4361



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 91.5549, 0.3613, 0.4361 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 150) }
```

Border

The CSS property to change the border of an element to Yxy 91.5549, 0.3613, 0.4361 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, 150) }
```

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

```
.border{ border-color:rgb(236, 255, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 91.5549, 0.3613, 0.4361 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, 150) }
```

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

```
.background{ background-color: rgb(236,  
255, 150) }
```

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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