

Converting Colors

$Yxy(96.3904, 0.3204, 0.3543)$

Have a look what the booklet for
Yxy(96.3904, 0.3204, 0.3543)
contains.

Yxy(96.4102, 0.3209, 0.3548)	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(96.4102, 0.3209, 0.3548)

Conversions

Conversions Part 1

Format	Color
Hex	F4FFE5
RGB	244, 255, 229
RGB Percent	96%, 100%, 90%
CMY	0.0433, 0.0000, 0.1021
CMYK	0.04, 0.00, 0.10, 0.00
HSL	85°, 100%, 95%
HSV	85°, 10%, 100%
XYZ	87.1985, 96.4102, 88.1224
YIQ	248.7470, 1.7900, -10.4180

Conversions

Conversions Part 2

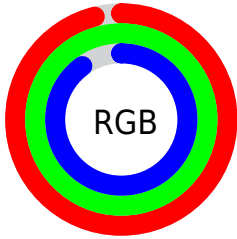
Format	Color
R _Y B	229, 255, 240
Decimal	16056293
CIE Lab	98.59, -8.10, 11.19
CIE LCh	99, 13.820, 125.899
Yxy	96.4102, 0.3209, 0.3548
Android (android.graphics.Color)	4294246373 (0xFFFF4FFE5)
YUV	248.7470, -9.7353, -4.1631
Hunter-Lab	98.1887, -13.3096, 15.5205

Details

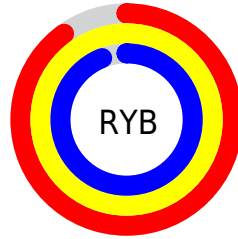
The Yxy color 96.4102, 0.3209, 0.3548 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 81.7722, 0.3039, 0.3030, and the grayscale version is 94.5808, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.1355, 0.3224, 0.3594 is the 20% darker color. If you saturate the color by 10%, you get 93.2035, 0.3289, 0.3820, and if you desaturate by 10%, it is 99.9241, 0.3129, 0.3295.

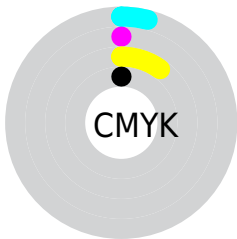
Distribution



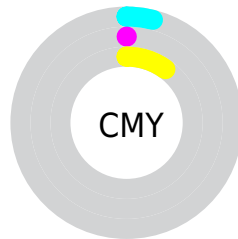
- Red (96%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (94%)



- Cyan (4%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.4102, 0.3209, 0.3548 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 96.4102, 0.3209, 0.3548 by changing the saturation by 10% instead.

 96.4102, 0.3209,
0.3548

 96.4102, 0.3209,
0.3548

548.6698, 0.3174,
0.3433

 73.3092, 0.3216,
0.3573


156.2114, 0.3197,
0.3509

 54.2289, 0.3225,
0.3604


193.6805, 0.3193,
0.3493

 38.7847, 0.3236,
0.3643


236.7077, 0.3188,
0.3480

 26.5923, 0.3250,
0.3691

285.6774, 0.3185,
0.3468

 17.2672, 0.3267,
0.3756

340.9741, 0.3182,
0.3458

 10.4252, 0.3290,
0.3846

402.9821, 0.3179,

 5.6818, 0.3322,

0.3449

0.3977

472.0859, 0.3176,
0.3440

■ 2.6526, 0.3367,
0.4189

■ 0.9532, 0.3693,
0.4982

■ 96.4102, 0.3209,
0.3548

■ 96.4102, 0.3209,
0.3548

■ 93.2035, 0.3289,
0.3820

99.9241, 0.3129,
0.3295

■ 90.3163, 0.3365,
0.4106

100.0000, 0.3127,
0.3290

■ 87.7290, 0.3434,
0.4399

■ 85.4291, 0.3490,
0.4688

■ 83.4028, 0.3529,
0.4960

■ 81.6352, 0.3547,
0.5201

■ 80.1090, 0.3541,
0.5397

■ 78.8042, 0.3510,
0.5541

■ 77.7107, 0.3462,
0.5633

Harmonies

Analogous

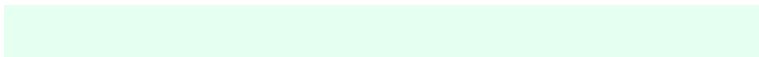
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.4102, 0.3342, 0.3547



96.4102, 0.3209, 0.3548



96.4102, 0.3056, 0.3475

Triad

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



96.4102, 0.3209, 0.3548



96.4102, 0.2844, 0.3097



96.4102, 0.3332, 0.3228

Complementary

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



96.4102, 0.3209, 0.3548



81.7722, 0.3039, 0.3030

Split Complementary

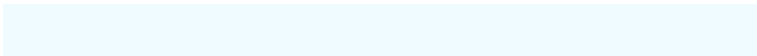
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.4102, 0.3194, 0.3115



96.4102, 0.3209, 0.3548



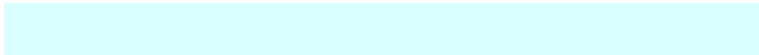
96.4102, 0.2913, 0.3039

Square

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



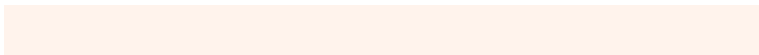
96.4102, 0.3209, 0.3548



96.4102, 0.2848, 0.3210



96.4102, 0.3040, 0.3046



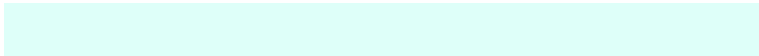
96.4102, 0.3415, 0.3359

Rectangle

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



96.4102, 0.3209, 0.3548



96.4102, 0.2964, 0.3395



96.4102, 0.3040, 0.3046



96.4102, 0.3290, 0.3187

Sweetspot

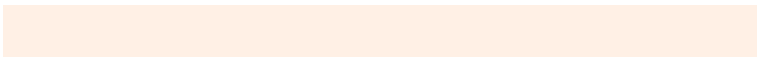
The Sweet Spot groups the original color and five complimentary colors.



96.4024, 0.3209, 0.3548



98.9069, 0.3151, 0.3364



89.1294, 0.3296, 0.3397



21.1087, 0.3158, 0.3384



0.0000, 0.0000, 0.0000



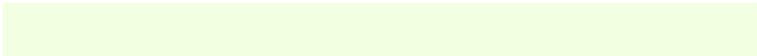
21.4041, 0.3127, 0.3290

Same Dimension

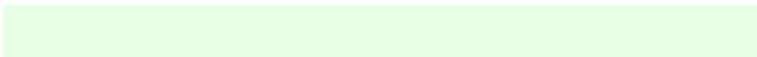
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.4024, 0.3209, 0.3548



95.8050, 0.3223, 0.3595



94.1887, 0.3128, 0.3554



20.6847, 0.3203, 0.3529



40.6953, 0.3474, 0.5624



4.0267, 0.3552, 0.5561

Inverse Universe

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



81.7722, 0.3039, 0.3030



78.8159, 0.3022, 0.2982



84.0959, 0.3124, 0.3037



17.7542, 0.3045, 0.3049



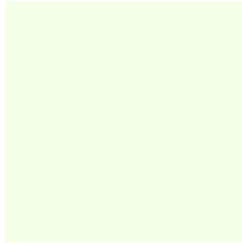
5.5264, 0.1882, 0.0811



0.6008, 0.2008, 0.0880

Previews

White Background



This preview shows how the Yxy color 96.4102, 0.3209, 0.3548 looks on a white background.

Color Contrast Check

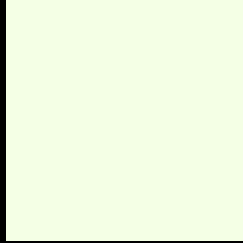
Large Text (above 18pt) WCAG AA × Fail

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 96.4102, 0.3209, 0.3548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

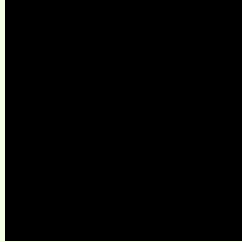
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

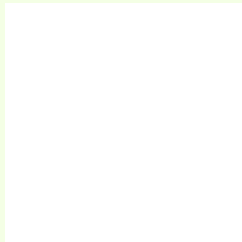
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.4102, 0.3209, 0.3548

Background



This preview shows how black text looks on a background with the Yxy color 96.4102, 0.3209, 0.3548.

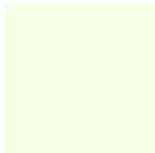


This preview shows how white text looks on a background with the Yxy color 96.4102, 0.3209, 0.3548.

Color Blindness Simulation

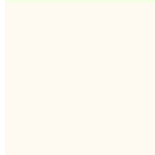
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.4102, 0.3209, 0.3548



Protanopia

95.9821, 0.3212, 0.3377



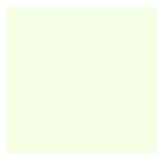
Deuteranopia

96.4708, 0.3165, 0.3300

Tritanopia

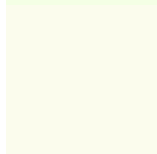
96.1004, 0.3104, 0.3242

Trichromacy



Original Color

96.4102, 0.3209, 0.3548



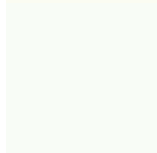
Protanomaly

96.2445, 0.3209, 0.3436



Deuteranomaly

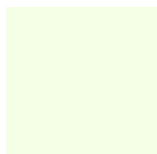
96.5408, 0.3179, 0.3387



Tritanomaly

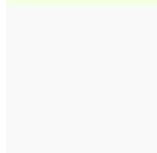
96.2311, 0.3137, 0.3348

Monochromacy



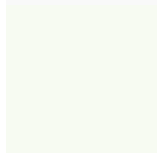
Original Color

96.4102, 0.3209, 0.3548



Achromatopsia

94.7307, 0.3127, 0.3290



Achromatomaly

95.1793, 0.3155, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.4102, 0.3209, 0.3548 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(244, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 229)  
}
```

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(244, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 229) }
```

Border

The CSS property to change the border of an element to Yxy 96.4102, 0.3209, 0.3548 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(244, 255, 229) }
```

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

```
.border{ border-color:rgb(244, 255, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 96.4102, 0.3209, 0.3548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 229) }
```

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

```
.background{ background-color: rgb(244,  
255, 229) }
```

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