

Converting Colors

$Y_{xy}(100.0000, 0.3044, 0.3649)$

Have a look what the booklet for
Yxy(100.0000, 0.3044, 0.3649)
contains.

Yxy(92.5052, 0.3048, 0.3538)	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(92.5052, 0.3048, 0.3538)

Conversions

Conversions Part 1

Format	Color
Hex	DCFFE7
RGB	220, 255, 231
RGB Percent	86%, 100%, 91%
CMY	0.1374, 0.0000, 0.0941
CMYK	0.14, 0.00, 0.09, 0.00
HSL	139°, 100%, 93%
HSV	139°, 14%, 100%
XYZ	79.6936, 92.5052, 89.2631
YIQ	241.7990, -13.1560, -14.8840

Conversions

Conversions Part 2

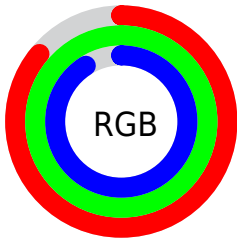
Format	Color
R_{YB}	220, 247, 255
Decimal	14483431
CIE _{Lab}	97.03, -15.70, 7.69
CIE _{LCh}	97, 17.483, 153.906
Yxy	92.5052, 0.3048, 0.3538
Android (android.graphics.Color)	4292673511 (0xFFDCFFE7)
YUV	241.7990, -5.3239, -19.1177
Hunter-Lab	96.1796, -20.4108, 12.2994

Details

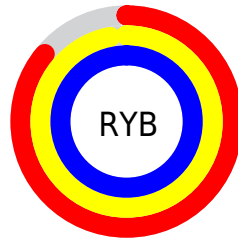
The Yxy color **92.5052, 0.3048, 0.3538** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.9615, 0.3216, 0.3054**, and the grayscale version is **88.6701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.4826, 0.3035, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **87.8839, 0.2992, 0.3745**, and if you desaturate by 10%, it is **97.8245, 0.3106, 0.3353**.

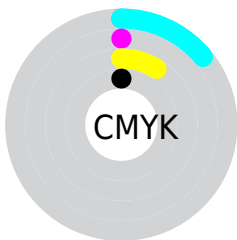
Distribution



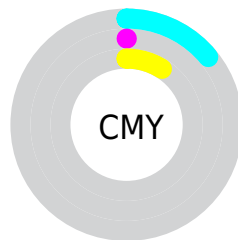
- Red (86%)
- Green (100%)
- Blue (91%)



- Red (86%)
- Yellow (97%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.5052, 0.3048, 0.3538 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 92.5052, 0.3048, 0.3538 by changing the saturation by 10% instead.


 92.5052, 0.3048,
0.3538

 92.5052, 0.3048,
0.3538


536.1469, 0.3084,
0.3426

 70.0603, 0.3040,
0.3563


150.8134, 0.3060,
0.3500

 51.5757, 0.3030,
0.3594

187.4455, 0.3065,
0.3485

 36.6670, 0.3017,
0.3632


229.5754, 0.3070,
0.3472

 24.9498, 0.3001,
0.3681


277.5877, 0.3073,
0.3460

 16.0396, 0.2979,
0.3747

331.8665, 0.3076,
0.3450

 9.5522, 0.2948,
0.3840

392.7964, 0.3079,

 5.1031, 0.2901,

0.3441

0.3979

460.7617, 0.3082,
0.3433

■ 2.3079, 0.2820,
0.4212

■ 0.7779, 0.2467,
0.5390

■ 92.5052, 0.3048,
0.3538

■ 92.5052, 0.3048,
0.3538

■ 87.8839, 0.2992,
0.3745

■ 97.8245, 0.3106,
0.3353

■ 83.9413, 0.2939,
0.3974

100.0000, 0.3127,
0.3290

■ 80.6412, 0.2893,
0.4222

■ 77.9483, 0.2857,
0.4484

■ 75.8239, 0.2835,
0.4752

■ 74.2245, 0.2828,
0.5015

■ 73.1002, 0.2838,
0.5260

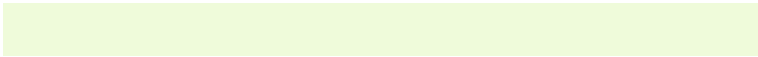
■ 72.3904, 0.2865,
0.5476

■ 72.1045, 0.2887,
0.5592

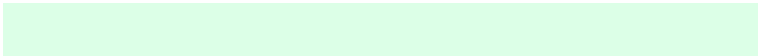
Harmonies

Analogous

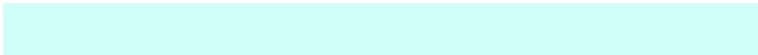
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.5052, 0.3244, 0.3626



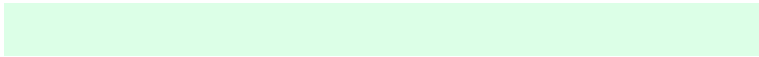
92.5052, 0.3048, 0.3538



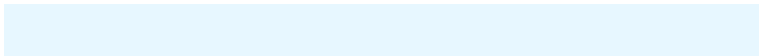
92.5052, 0.2877, 0.3377

Triad

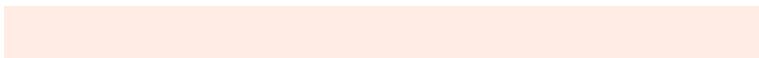
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.5052, 0.3048, 0.3538



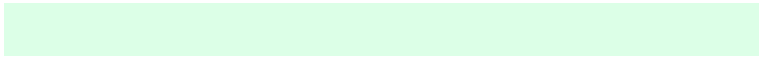
92.5052, 0.2845, 0.2971



92.5052, 0.3493, 0.3365

Complementary

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



92.5052, 0.3048, 0.3538



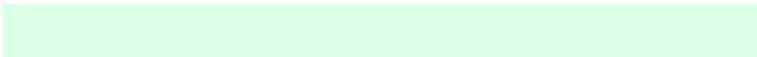
78.9615, 0.3216, 0.3054

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.



92.5052, 0.3380, 0.3200



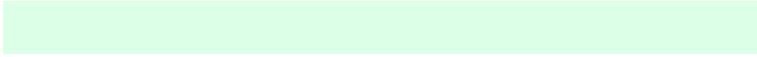
92.5052, 0.3048, 0.3538



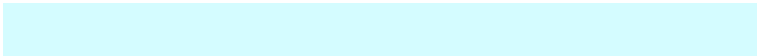
92.5052, 0.3003, 0.2977

Square

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



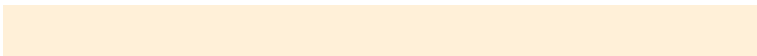
92.5052, 0.3048, 0.3538



92.5052, 0.2763, 0.3049



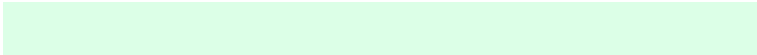
92.5052, 0.3199, 0.3060



92.5052, 0.3505, 0.3518

Rectangle

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



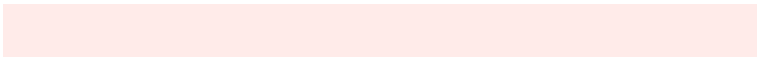
92.5052, 0.3048, 0.3538



92.5052, 0.2799, 0.3255



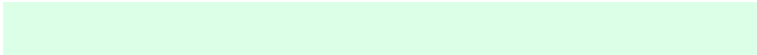
92.5052, 0.3199, 0.3060



92.5052, 0.3466, 0.3310

Sweetspot

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



92.5016, 0.3048, 0.3538



97.6747, 0.3104, 0.3358



96.0071, 0.3265, 0.3639



20.8156, 0.3100, 0.3371



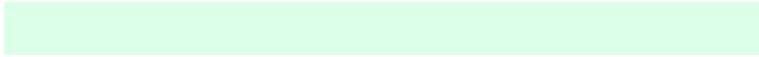
0.0000, 0.0000, 0.0000



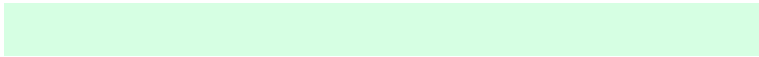
21.4041, 0.3127, 0.3290

Same Dimension

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



92.5016, 0.3048, 0.3538



91.3955, 0.3035, 0.3583



93.5084, 0.2955, 0.3361



20.2625, 0.3072, 0.3457



37.6998, 0.2879, 0.5563



3.6895, 0.2816, 0.5338

Inverse Universe

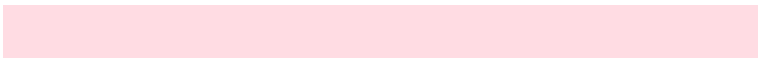
The Inverse Universe completely reimagines the original color for something new.



78.9615, 0.3216, 0.3054



75.8738, 0.3233, 0.3014



77.9770, 0.3333, 0.3221



18.1972, 0.3187, 0.3129



12.7470, 0.4206, 0.2091



1.2609, 0.4064, 0.2012

Previews

White Background



This preview shows how the Yxy color 92.5052, 0.3048, 0.3538 looks on a white background.

Color Contrast Check

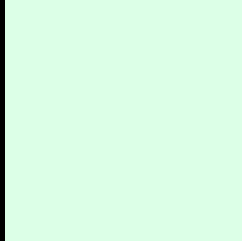
Large Text (above 18pt) WCAG AA × Fail

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 92.5052, 0.3048, 0.3538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

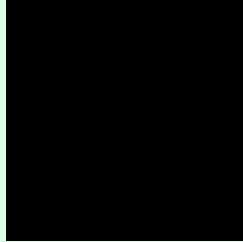
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

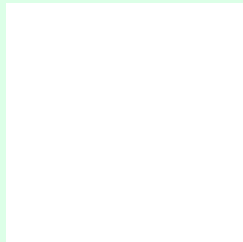
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.5052, 0.3048, 0.3538

Background



This preview shows how black text looks on a background with the Yxy color 92.5052, 0.3048, 0.3538.

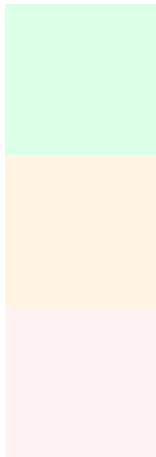


This preview shows how white text looks on a background with the Yxy color 92.5052, 0.3048, 0.3538.

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

92.5052, 0.3048, 0.3538

Protanopia

92.0558, 0.3309, 0.3477

Deuteranopia

92.4324, 0.3205, 0.3300



Tritanopia

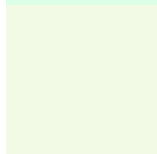
92.0923, 0.3030, 0.3211

Trichromacy



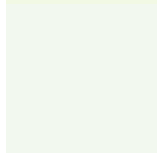
Original Color

92.5052, 0.3048, 0.3538



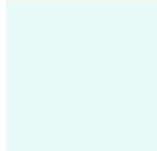
Protanomaly

92.2300, 0.3207, 0.3501



Deuteranomaly

92.2440, 0.3142, 0.3379



Tritanomaly

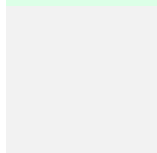
92.1808, 0.3038, 0.3330

Monochromacy



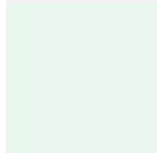
Original Color

92.5052, 0.3048, 0.3538



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

90.1870, 0.3097, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.5052, 0.3048, 0.3538 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(220, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 231)  
}
```

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(220, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 92.5052, 0.3048, 0.3538 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(220, 255, 231) }
```

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

```
.border{ border-color:rgb(220, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 92.5052, 0.3048, 0.3538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 231) }
```

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

```
.background{ background-color: rgb(220,  
255, 231) }
```

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