

# Converting Colors

$Yxy(92.7509, 0.3009, 0.3472)$

Have a look what the booklet for  
Yxy(92.7509, 0.3009, 0.3472)  
contains.

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# Color

**Yxy(92.6945, 0.3009, 0.3475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBFFED
RGB	219, 255, 237
RGB Percent	86%, 100%, 93%
CMY	0.1411, 0.0000, 0.0706
CMYK	0.14, 0.00, 0.07, 0.00
HSL	150°, 100%, 93%
HSV	150°, 14%, 100%
XYZ	80.2641, 92.6945, 93.7882
YIQ	242.1840, -15.6780, -13.2300

# Conversions

## Conversions Part 2

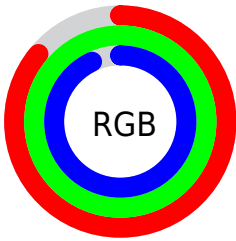
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">219, 243, 255</a>
Decimal	<a href="#">14417901</a>
CIELab	<a href="#">97.10, -14.91, 4.71</a>
CIELCh	<a href="#">97, 15.637, 162.464</a>
Yxy	<a href="#">92.6945, 0.3009, 0.3475</a>
Android (android.graphics.Color)	<a href="#">4292607981</a> ( <a href="#">0xFFDBFFED</a> )
YUV	<a href="#">242.1840, -2.5557, -20.3324</a>
Hunter-Lab	<a href="#">96.2780, -19.6763, 9.6379</a>

# Details

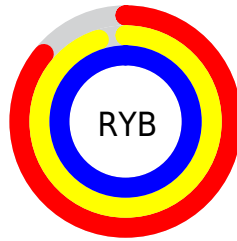
The Yxy color **92.6945, 0.3009, 0.3475** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.0476, 0.3264, 0.3112**, and the grayscale version is **88.9810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.6169, 0.2986, 0.3515** is the 20% darker color. If you saturate the color by 10%, you get **88.3217, 0.2929, 0.3624**, and if you desaturate by 10%, it is **97.7330, 0.3092, 0.3341**.

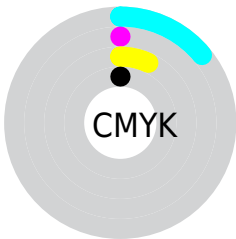
# Distribution



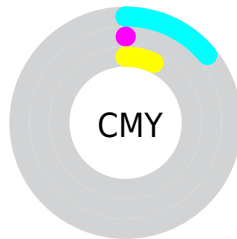
- Red (86%)
- Green (100%)
- Blue (93%)



- Red (86%)
- Yellow (95%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.6945, 0.3009, 0.3475 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 92.6945, 0.3009, 0.3475 by changing the saturation by 10% instead.




 92.6945, 0.3009,  
0.3475

 92.6945, 0.3009,  
0.3475


536.7575, 0.3062,  
0.3392

 70.2176, 0.2997,  
0.3493


151.0756, 0.3027,  
0.3447

 51.7040, 0.2983,  
0.3516


187.7486, 0.3034,  
0.3435

 36.7692, 0.2965,  
0.3544


229.9224, 0.3040,  
0.3426

 25.0288, 0.2942,  
0.3580

277.9814, 0.3046,  
0.3417

 16.0985, 0.2912,  
0.3628

332.3100, 0.3051,  
0.3410

 9.5939, 0.2870,  
0.3696

393.2927, 0.3055,

 5.1305, 0.2807,

0.3403

0.3796

461.3137, 0.3059,  
0.3397

■ 2.3241, 0.2705,  
0.3963

■ 0.7864, 0.2260,  
0.4635

■ 92.6945, 0.3009,  
0.3475

■ 92.6945, 0.3009,  
0.3475

■ 88.3217, 0.2929,  
0.3624

■ 97.7330, 0.3092,  
0.3341

■ 84.5756, 0.2855,  
0.3789

100.0000, 0.3127,  
0.3290

■ 81.4292, 0.2790,  
0.3966

■ 78.8488, 0.2738,  
0.4155

■ 76.7978, 0.2703,  
0.4352

■ 75.2349, 0.2686,  
0.4551

■ 74.1121, 0.2689,  
0.4748

■ 73.3713, 0.2713,  
0.4935

■ 73.0654, 0.2734,  
0.5041

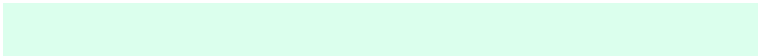
# Harmonies

## Analogous

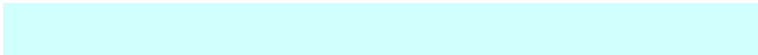
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6945, 0.3182, 0.3575



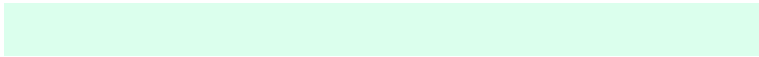
92.6945, 0.3009, 0.3475



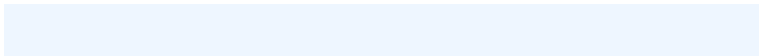
92.6945, 0.2870, 0.3322

# Triad

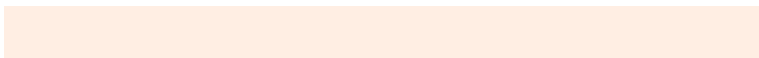
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.6945, 0.3009, 0.3475



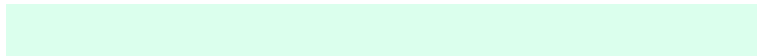
92.6945, 0.2909, 0.2998



92.6945, 0.3467, 0.3400

# Complementary

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



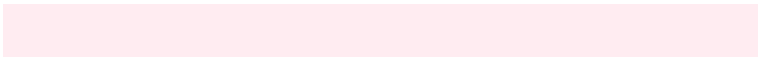
92.6945, 0.3009, 0.3475



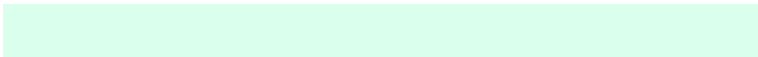
78.0476, 0.3264, 0.3112

# 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.



92.6945, 0.3390, 0.3251



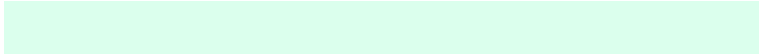
92.6945, 0.3009, 0.3475



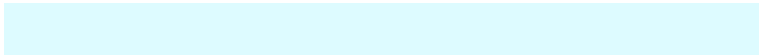
92.6945, 0.3065, 0.3024

# Square

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



92.6945, 0.3009, 0.3475



92.6945, 0.2813, 0.3048



92.6945, 0.3241, 0.3115

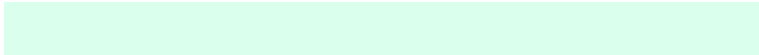


92.6945, 0.3450, 0.3526



# Rectangle

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



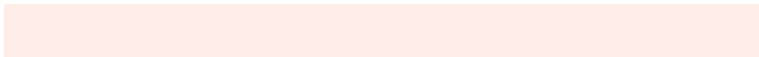
92.6945, 0.3009, 0.3475



92.6945, 0.2814, 0.3214



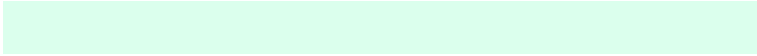
92.6945, 0.3241, 0.3115



92.6945, 0.3451, 0.3351

# Sweetspot

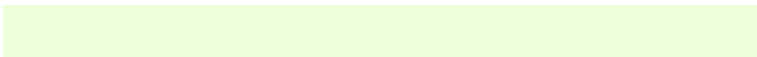
The Sweet Spot groups the original color and five complimentary colors.



92.6979, 0.3009, 0.3475



97.7924, 0.3093, 0.3339



94.6416, 0.3223, 0.3654



20.8454, 0.3087, 0.3349



0.0000, 0.0000, 0.0000

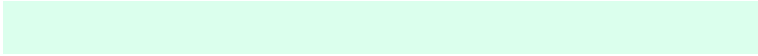


21.4041, 0.3127, 0.3290

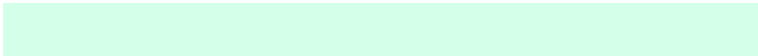


# Same Dimension

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



92.6979, 0.3009, 0.3475



91.3669, 0.2985, 0.3517



93.8029, 0.2912, 0.3289



20.3197, 0.3047, 0.3411



38.2084, 0.2725, 0.5011



3.7423, 0.2668, 0.4803



# Inverse Universe

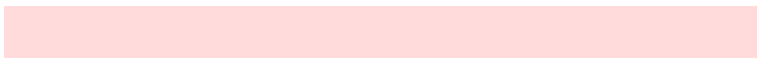
The Inverse Universe completely reimagines the original color for something new.



78.0476, 0.3264, 0.3112



74.0739, 0.3297, 0.3074



77.0481, 0.3390, 0.3291



18.1386, 0.3215, 0.3172



11.9464, 0.4964, 0.2508



1.1852, 0.4710, 0.2368



# Previews

## White Background



This preview shows how the Yxy color 92.6945, 0.3009, 0.3475 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

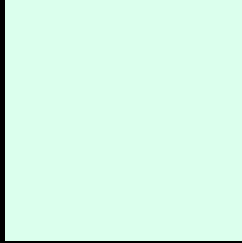
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.6945, 0.3009, 0.3475 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

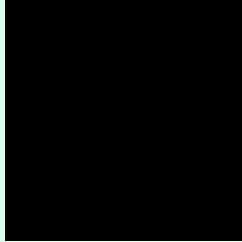
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

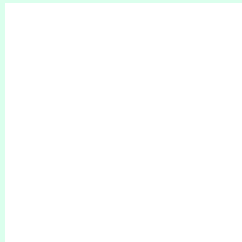
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.6945, 0.3009, 0.3475**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.6945, 0.3009, 0.3475.

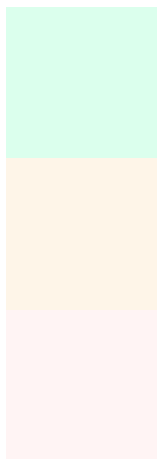


This preview shows how white text looks on a background with the Yxy color 92.6945, 0.3009, 0.3475.

# 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

92.6945, 0.3009, 0.3475

### Protanopia

92.2018, 0.3265, 0.3418

### Deuteranopia

92.4930, 0.3199, 0.3290



## Tritanopia

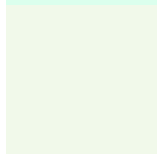
92.7055, 0.3030, 0.3221

# Trichromacy



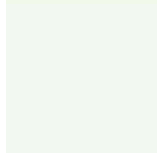
## Original Color

92.6945, 0.3009, 0.3475



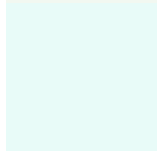
## Protanomaly

92.3926, 0.3165, 0.3440



## Deuteranomaly

92.3629, 0.3130, 0.3359



## Tritanomaly

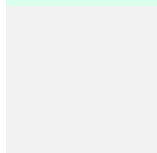
92.9275, 0.3026, 0.3320

# Monochromacy



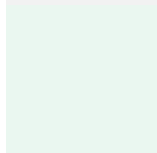
## Original Color

92.6945, 0.3009, 0.3475



## Achromatopsia

88.7923, 0.3127, 0.3290



## Achromatomaly

90.3052, 0.3086, 0.3361

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  92.6945, 0.3009, 0.3475 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(219, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 237)  
}
```

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(219, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 92.6945, 0.3009, 0.3475 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(219, 255, 237) }
```

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

```
.border{ border-color:rgb(219, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.6945, 0.3009, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 237) }
```

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

```
.background{ background-color: rgb(219,  
255, 237) }
```

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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