

# Converting Colors

$Y_{xy}(95.2756, 0.2913, 0.3405)$

Have a look what the booklet for  
Yxy(95.2756, 0.2913, 0.3405)  
contains.

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# Color

**Yxy(92.4434, 0.2914, 0.3361)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5FFF8
RGB	213, 255, 248
RGB Percent	84%, 100%, 97%
CMY	0.1647, 0.0000, 0.0273
CMYK	0.16, 0.00, 0.03, 0.00
HSL	170°, 100%, 92%
HSV	170°, 16%, 100%
XYZ	80.1488, 92.4434, 102.4551
YIQ	241.6440, -22.7850, -11.0810

# Conversions

## Conversions Part 2

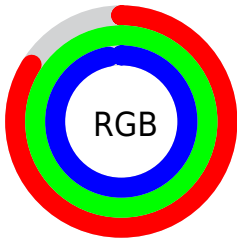
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	213, 236, 255
Decimal	14024696
CIE <sub>Lab</sub>	97.00, -14.70, -1.15
CIE <sub>LCh</sub>	97, 14.742, 184.492
Y <sub>xy</sub>	92.4434, 0.2914, 0.3361
Android (android.graphics.Color)	4292214776 (0xFFD5FFF8)
YUV	241.6440, 3.1335, -25.1208
Hunter-Lab	96.1475, -19.4601, 4.1236

# Details

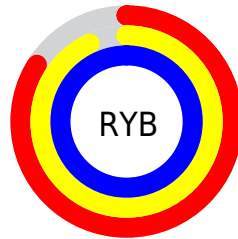
The Yxy color **92.4434, 0.2914, 0.3361** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.0164, 0.3392, 0.3220**, and the grayscale version is **88.4893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.4630, 0.2868, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **88.6687, 0.2795, 0.3409**, and if you desaturate by 10%, it is **96.8297, 0.3042, 0.3317**.

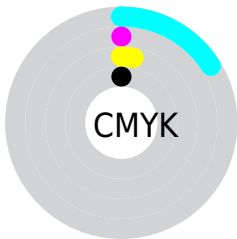
# Distribution



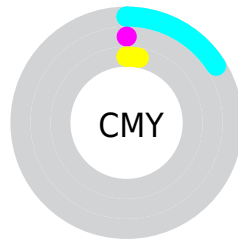
- Red (84%)
- Green (100%)
- Blue (97%)



- Red (84%)
- Yellow (93%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.4434, 0.2914, 0.3361 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 92.4434, 0.2914, 0.3361 by changing the saturation by 10% instead.




 92.4434, 0.2914,  
0.3361

 92.4434, 0.2914,  
0.3361


535.9475, 0.3008,  
0.3330

 70.0090, 0.2893,  
0.3368

150.7278, 0.2946,  
0.3351

 51.5338, 0.2869,  
0.3376


187.3465, 0.2959,  
0.3346

 36.6336, 0.2838,  
0.3386


229.4622, 0.2970,  
0.3343

 24.9240, 0.2798,  
0.3398

277.4591, 0.2979,  
0.3340

 16.0204, 0.2747,  
0.3415

331.7217, 0.2988,  
0.3337

 9.5386, 0.2676,  
0.3437

392.6343, 0.2995,

 5.0941, 0.2574,

0.3334

0.3469

460.5815, 0.3002,  
0.3332

■ 2.3026, 0.2411,  
0.3519

■ 0.7751, 0.1819,  
0.3731

■ 92.4434, 0.2914,  
0.3361

■ 92.4434, 0.2914,  
0.3361

■ 88.6687, 0.2795,  
0.3409

■ 96.8297, 0.3042,  
0.3317

■ 85.4683, 0.2686,  
0.3462

100.0000, 0.3127,  
0.3290

■ 82.8153, 0.2592,  
0.3517

■ 80.6765, 0.2515,  
0.3574

■ 79.0155, 0.2456,  
0.3634

■ 77.7908, 0.2417,  
0.3694

■ 76.9540, 0.2398,  
0.3754

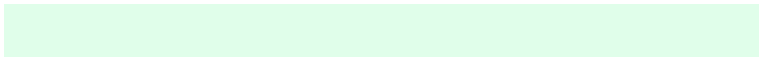
■ 76.4442, 0.2396,  
0.3813

■ 76.3101, 0.2398,  
0.3834

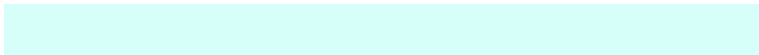
# Harmonies

## Analogous

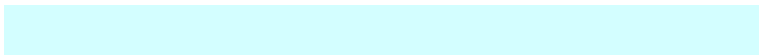
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4434, 0.3058, 0.3496



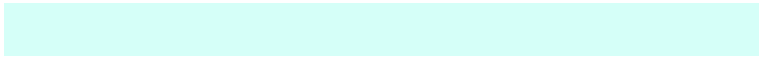
92.4434, 0.2914, 0.3361



92.4434, 0.2828, 0.3209

# Triad

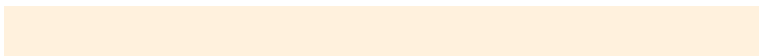
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.4434, 0.2914, 0.3361



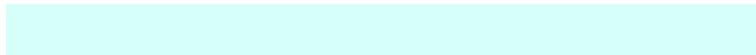
92.4434, 0.3026, 0.3025



92.4434, 0.3444, 0.3486

# Complementary

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



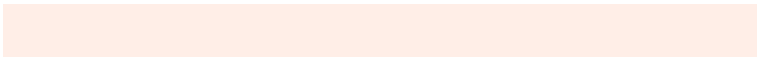
92.4434, 0.2914, 0.3361



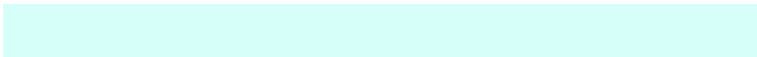
74.0164, 0.3392, 0.3220

# 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.



92.4434, 0.3436, 0.3358



92.4434, 0.2914, 0.3361



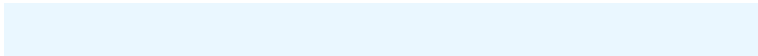
92.4434, 0.3191, 0.3097

# Square

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



92.4434, 0.2914, 0.3361



92.4434, 0.2891, 0.3020



92.4434, 0.3343, 0.3217

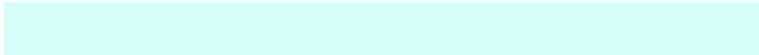


92.4434, 0.3365, 0.3566

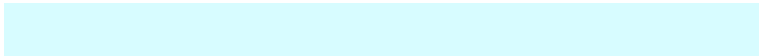


# Rectangle

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



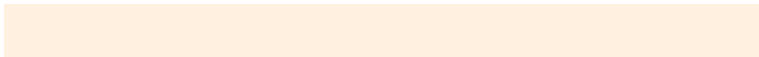
92.4434, 0.2914, 0.3361



92.4434, 0.2813, 0.3121



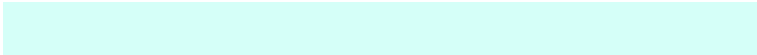
92.4434, 0.3343, 0.3217



92.4434, 0.3452, 0.3447

# Sweetspot

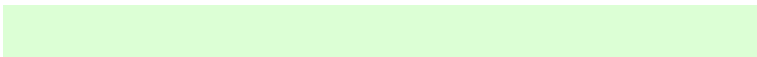
The Sweet Spot groups the original color and five complimentary colors.



92.4465, 0.2914, 0.3361



97.5261, 0.3061, 0.3310



91.5406, 0.3150, 0.3731



20.8029, 0.3052, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

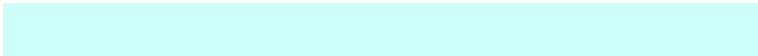


# Same Dimension

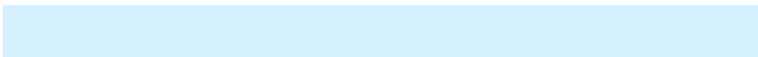
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.4465, 0.2914, 0.3361



91.0447, 0.2871, 0.3378



84.2784, 0.2871, 0.3144



20.4267, 0.3002, 0.3330



39.8928, 0.2396, 0.3824



3.8974, 0.2377, 0.3756



# Inverse Universe

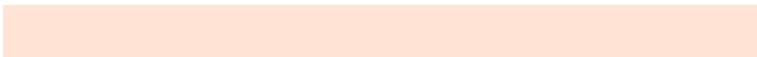
The Inverse Universe completely reimagines the original color for something new.



74.0164, 0.3392, 0.3220



69.2222, 0.3462, 0.3205



81.0042, 0.3420, 0.3432



18.0362, 0.3268, 0.3251



11.2115, 0.6164, 0.3169



1.1048, 0.5884, 0.3015



# Previews

## White Background



This preview shows how the Yxy color 92.4434, 0.2914, 0.3361 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

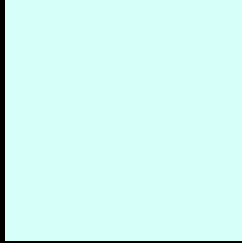
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.4434, 0.2914, 0.3361 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

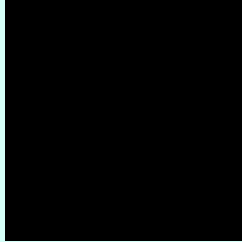
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

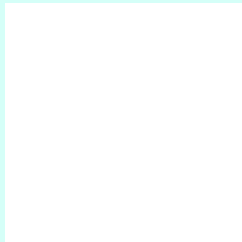
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.4434, 0.2914, 0.3361**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.4434, 0.2914, 0.3361.

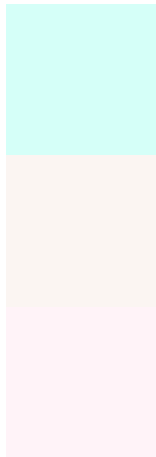


This preview shows how white text looks on a background with the Yxy color 92.4434, 0.2914, 0.3361.

# 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

92.4434, 0.2914, 0.3361

### Protanopia

92.2249, 0.3184, 0.3319

### Deuteranopia

92.1385, 0.3175, 0.3242



## Tritanopia

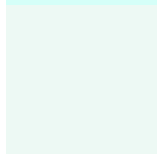
92.3593, 0.3018, 0.3221

# Trichromacy



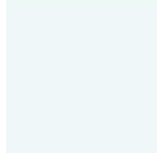
## Original Color

92.4434, 0.2914, 0.3361



## Protanomaly

92.2875, 0.3081, 0.3340



## Deuteranomaly

91.8241, 0.3077, 0.3280



## Tritanomaly

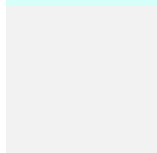
92.5166, 0.2980, 0.3280

# Monochromacy



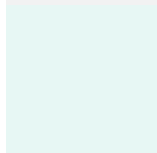
## Original Color

92.4434, 0.2914, 0.3361



## Achromatopsia

88.7923, 0.3127, 0.3290



## Achromatomaly

90.0421, 0.3044, 0.3320

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.4434, 0.2914, 0.3361 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(213, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 248)  
}
```

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(213, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 92.4434, 0.2914, 0.3361 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(213, 255, 248) }
```

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

```
.border{ border-color:rgb(213, 255, 248) }
```

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

Here you see how a box with a 4 pixel rgb(213, 255, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.4434, 0.2914, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 248) }
```

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

```
.background{ background-color: rgb(213,  
255, 248) }
```

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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