

# Converting Colors

$Y_{xy}(100.0000, 0.2473, 0.2421)$

Have a look what the booklet for  
Yxy(100.0000, 0.2473, 0.2421)  
contains.

<b>Yxy(92.2130, 0.2922, 0.3259)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(92.2130, 0.2922, 0.3259)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDFCFF
RGB	221, 252, 255
RGB Percent	87%, 99%, 100%
CMY	0.1334, 0.0117, 0.0000
CMYK	0.13, 0.01, 0.00, 0.00
HSL	185°, 100%, 93%
HSV	185°, 13%, 100%
XYZ	82.6776, 92.2130, 108.0581
YIQ	243.0730, -19.4390, -5.6390

# Conversions

## Conversions Part 2

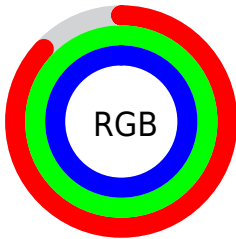
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 237, 255
Decimal	14548223
CIE Lab	96.91, -9.37, -4.83
CIE LCh	97, 10.544, 207.238
Yxy	92.2130, 0.2922, 0.3259
Android (android.graphics.Color)	4292738303 (0xFFDDFCFF)
YUV	243.0730, 5.8800, -19.3580
Hunter-Lab	96.0276, -14.3638, 0.5014

# Details

The Yxy color **92.2130, 0.2922, 0.3259** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.7813, 0.3369, 0.3321**, and the grayscale version is **89.6531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.2144, 0.2884, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **87.1120, 0.2776, 0.3234**, and if you desaturate by 10%, it is **97.9446, 0.3075, 0.3283**.

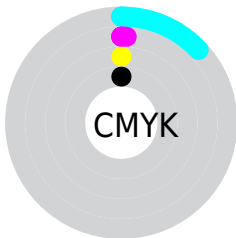
# Distribution



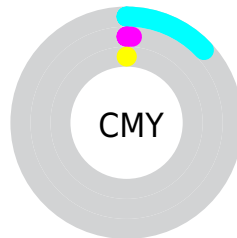
- Red (87%)
- Green (99%)
- Blue (100%)



- Red (87%)
- Yellow (93%)
- Blue (100%)



- Cyan (13%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (13%)
- Magenta (1%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.2130, 0.2922, 0.3259 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 92.2130, 0.2922, 0.3259 by changing the saturation by 10% instead.



 92.2130, 0.2922,  
0.3259

 92.2130, 0.2922,  
0.3259

535.2037, 0.3012,  
0.3274

 69.8176, 0.2902,  
0.3256

150.4086, 0.2953,  
0.3264

 51.3778, 0.2878,  
0.3252


186.9775, 0.2965,  
0.3266

 36.5094, 0.2849,  
0.3246


229.0397, 0.2975,  
0.3268

 24.8279, 0.2812,  
0.3239

276.9796, 0.2984,  
0.3269

 15.9488, 0.2762,  
0.3230

331.1815, 0.2993,  
0.3271

 9.4880, 0.2695,  
0.3217

392.0299, 0.3000,

 5.0608, 0.2598,

0.3272

0.3196

459.9092, 0.3007,  
0.3273

■ 2.2830, 0.2446,  
0.3159

■ 0.7647, 0.2034,  
0.3124

■ 92.2130, 0.2922,  
0.3259

■ 92.2130, 0.2922,  
0.3259

■ 87.1120, 0.2776,  
0.3234

■ 97.9446, 0.3075,  
0.3283

■ 82.6051, 0.2641,  
0.3207

100.0000, 0.3127,  
0.3290

■ 78.6659, 0.2520,  
0.3178

■ 75.2623, 0.2414,  
0.3148

■ 72.3589, 0.2327,  
0.3118

■ 69.9161, 0.2259,  
0.3087

■ 67.8879, 0.2211,  
0.3056

■ 66.2183, 0.2181,  
0.3026

■ 65.2514, 0.2169,  
0.3006

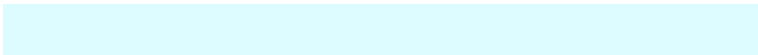
# Harmonies

## Analogous

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



92.2130, 0.2997, 0.3367



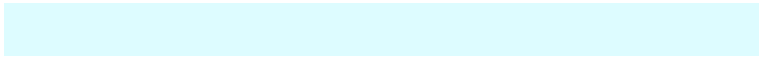
92.2130, 0.2922, 0.3259



92.2130, 0.2901, 0.3163

# Triad

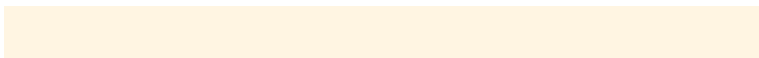
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.2130, 0.2922, 0.3259



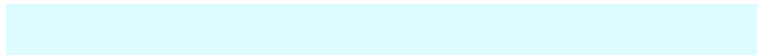
92.2130, 0.3145, 0.3134



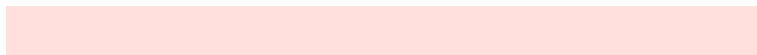
92.2130, 0.3316, 0.3478

# Complementary

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



92.2130, 0.2922, 0.3259



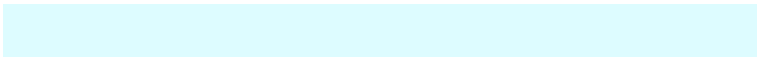
79.7813, 0.3369, 0.3321

# 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.



92.2130, 0.3358, 0.3412



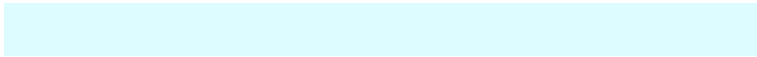
92.2130, 0.2922, 0.3259



92.2130, 0.3258, 0.3215

# Square

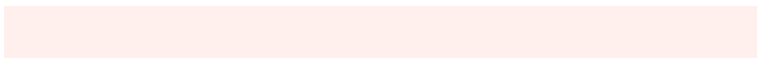
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.2130, 0.2922, 0.3259



92.2130, 0.3028, 0.3093



92.2130, 0.3337, 0.3315

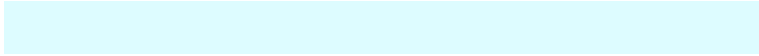


92.2130, 0.3224, 0.3495

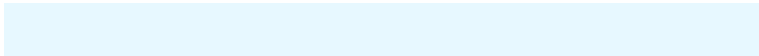


# Rectangle

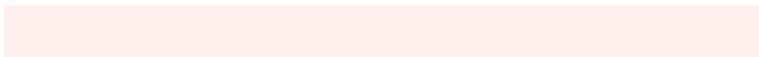
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.2130, 0.2922, 0.3259



92.2130, 0.2921, 0.3118



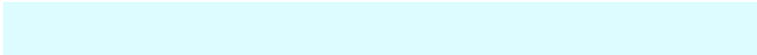
92.2130, 0.3337, 0.3315



92.2130, 0.3337, 0.3461

# Sweetspot

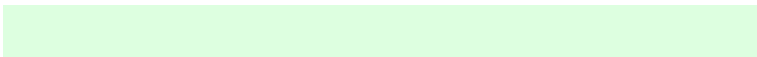
The Sweet Spot groups the original color and five complimentary colors.



92.2160, 0.2922, 0.3259



97.5453, 0.3065, 0.3281



92.2627, 0.3095, 0.3614



20.7824, 0.3053, 0.3279



0.0000, 0.0000, 0.0000

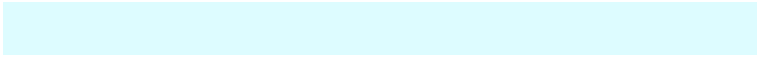


21.4041, 0.3127, 0.3290

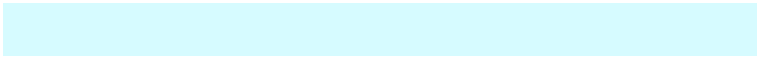


# Same Dimension

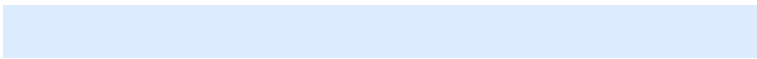
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.2160, 0.2922, 0.3259



90.7972, 0.2882, 0.3253



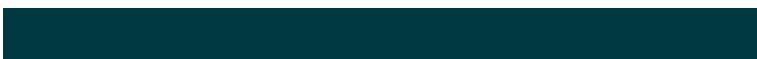
82.0990, 0.2917, 0.3085



20.1919, 0.2980, 0.3268



34.2085, 0.2170, 0.3011



3.4077, 0.2179, 0.3046



# Inverse Universe

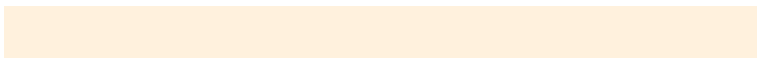
The Inverse Universe completely reimagines the original color for something new.



79.9959, 0.3162, 0.2988



76.4454, 0.3170, 0.2926



89.2892, 0.3346, 0.3486



18.2712, 0.3152, 0.3076



14.1813, 0.3444, 0.1671

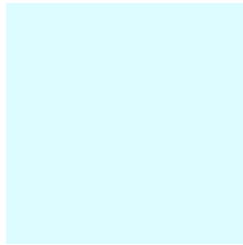


1.3886, 0.3414, 0.1654



# Previews

## White Background



This preview shows how the Yxy color 92.2130, 0.2922, 0.3259 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

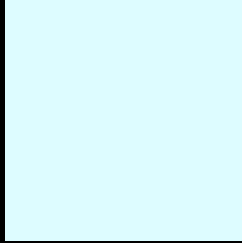
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.2130, 0.2922, 0.3259 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

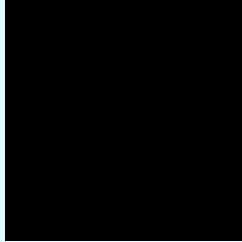
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

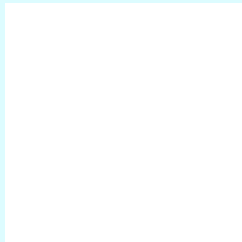
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.2130, 0.2922, 0.3259**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.2130, 0.2922, 0.3259.

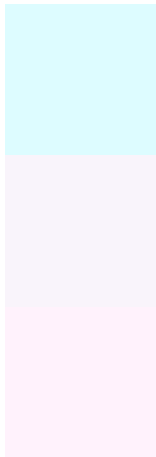


This preview shows how white text looks on a background with the Yxy color 92.2130, 0.2922, 0.3259.

# 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

92.2130, 0.2922, 0.3259

### Protanopia

91.8061, 0.3117, 0.3222

### Deuteranopia

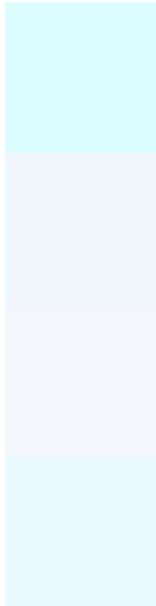
91.7925, 0.3151, 0.3194



## Tritanopia

91.9187, 0.3024, 0.3211

# Trichromacy



## Original Color

92.2130, 0.2922, 0.3259

## Protanomaly

91.9005, 0.3047, 0.3240

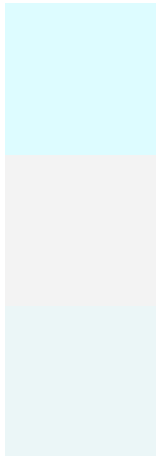
## Deuteranomaly

92.0581, 0.3067, 0.3221

## Tritanomaly

92.1272, 0.2987, 0.3230

# Monochromacy



## Original Color

92.2130, 0.2922, 0.3259

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

90.2891, 0.3052, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.2130, 0.2922, 0.3259 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(221, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 252, 255)  
}
```

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(221, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 252, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 92.2130, 0.2922, 0.3259 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(221, 252, 255) }
```

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

```
.border{ border-color:rgb(221, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 252,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.2130, 0.2922, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 252, 255) }
```

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

```
.background{ background-color: rgb(221,  
252, 255) }
```

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