

# Converting Colors

$Yxy(94.0428, 0.2729, 0.2892)$

Have a look what the booklet for  
Yxy(94.0428, 0.2729, 0.2892)  
contains.

<b>Yxy(91.5865, 0.2922, 0.3249)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(91.5865, 0.2922, 0.3249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDFBFF
RGB	221, 251, 255
RGB Percent	87%, 98%, 100%
CMY	0.1333, 0.0157, 0.0000
CMYK	0.13, 0.02, 0.00, 0.00
HSL	187°, 100%, 93%
HSV	187°, 13%, 100%
XYZ	82.3687, 91.5865, 107.9362
YIQ	242.4860, -19.1640, -5.1160

# Conversions

## Conversions Part 2

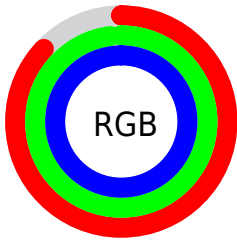
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 237, 255
Decimal	14547967
CIE Lab	96.65, -8.87, -5.19
CIE LCh	97, 10.274, 210.359
Yxy	91.5865, 0.2922, 0.3249
Android (android.graphics.Color)	4292738047 (0xFFDDFBFF)
YUV	242.4860, 6.1694, -18.8432
Hunter-Lab	95.7008, -13.8435, 0.1204

# Details

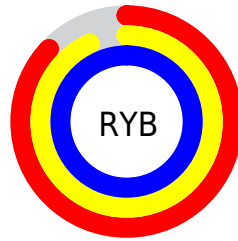
The Yxy color **91.5865, 0.2922, 0.3249** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.3357, 0.3367, 0.3331**, and the grayscale version is **89.1642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.7678, 0.2883, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **86.0302, 0.2775, 0.3215**, and if you desaturate by 10%, it is **97.7879, 0.3075, 0.3280**.

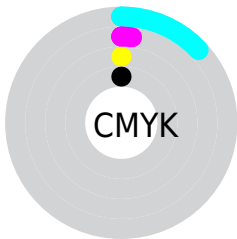
# Distribution



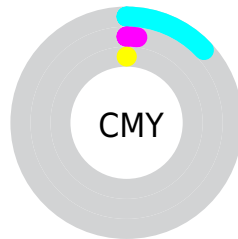
- Red (87%)
- Green (98%)
- Blue (100%)



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



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.5865, 0.2922, 0.3249 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 91.5865, 0.2922, 0.3249 by changing the saturation by 10% instead.



91.5865, 0.2922,  
0.3249

91.5865, 0.2922,  
0.3249

533.1783, 0.3013,  
0.3268

69.2972, 0.2902,  
0.3245

149.5402, 0.2953,  
0.3256

50.9538, 0.2878,  
0.3239

185.9733, 0.2965,  
0.3258

36.1719, 0.2849,  
0.3233

227.8900, 0.2975,  
0.3260

24.5670, 0.2811,  
0.3224

275.6744, 0.2985,  
0.3262

15.7547, 0.2762,  
0.3212

329.7111, 0.2993,  
0.3264

9.3508, 0.2695,  
0.3195

390.3843, 0.3000,

4.9707, 0.2597,

0.3266

0.3169

458.0786, 0.3007,  
0.3267

■ 2.2301, 0.2443,  
0.3124

■ 0.7363, 0.2015,  
0.3070

■ 91.5865, 0.2922,  
0.3249

■ 91.5865, 0.2922,  
0.3249

■ 86.0302, 0.2775,  
0.3215

■ 97.7879, 0.3075,  
0.3280

■ 81.0801, 0.2638,  
0.3179

99.9995, 0.3127,  
0.3290

■ 76.7105, 0.2513,  
0.3140

■ 72.8892, 0.2404,  
0.3100

■ 69.5808, 0.2313,  
0.3059

■ 66.7456, 0.2242,  
0.3017

■ 64.3375, 0.2189,  
0.2976

■ 62.3005, 0.2156,  
0.2935

■ 61.0932, 0.2141,  
0.2908

# Harmonies

## Analogous

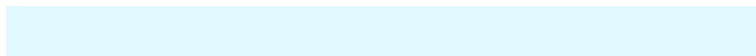
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5865, 0.2990, 0.3354



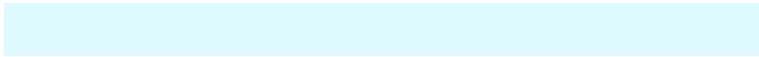
91.5865, 0.2922, 0.3249



91.5865, 0.2908, 0.3158

# Triad

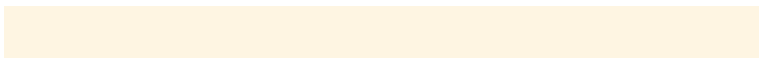
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.5865, 0.2922, 0.3249



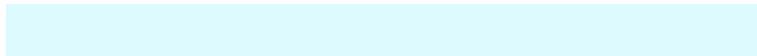
91.5865, 0.3156, 0.3144



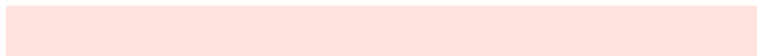
91.5865, 0.3305, 0.3478

# Complementary

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



91.5865, 0.2922, 0.3249



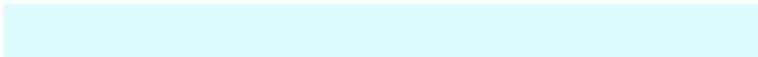
80.3357, 0.3367, 0.3331

# 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.



91.5865, 0.3351, 0.3418



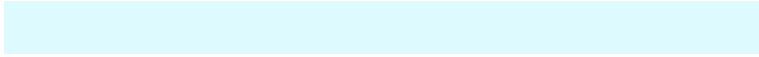
91.5865, 0.2922, 0.3249



91.5865, 0.3265, 0.3226

# Square

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



91.5865, 0.2922, 0.3249



91.5865, 0.3042, 0.3100



91.5865, 0.3337, 0.3325

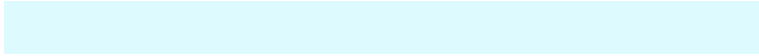


91.5865, 0.3210, 0.3488

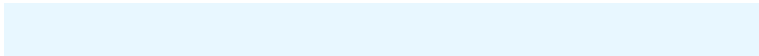


# Rectangle

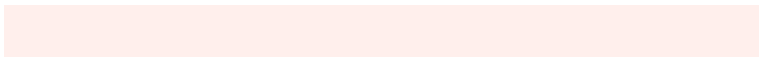
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.5865, 0.2922, 0.3249



91.5865, 0.2931, 0.3117



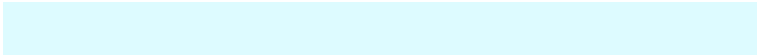
91.5865, 0.3337, 0.3325



91.5865, 0.3326, 0.3463

# Sweetspot

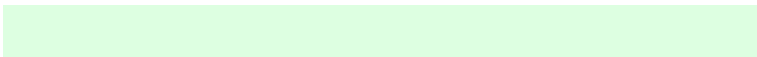
The Sweet Spot groups the original color and five complimentary colors.



91.5903, 0.2922, 0.3249



97.3545, 0.3065, 0.3278



92.3255, 0.3088, 0.3601



20.7339, 0.3053, 0.3276



0.0000, 0.0000, 0.0000

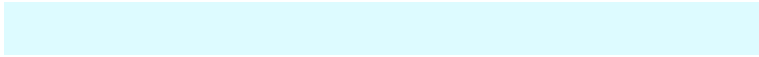


21.4041, 0.3127, 0.3290

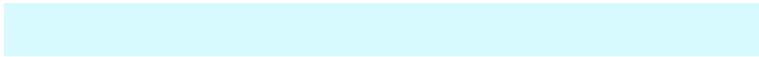


# Same Dimension

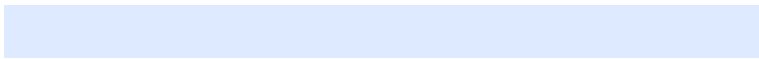
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.5903, 0.2922, 0.3249



90.0468, 0.2882, 0.3240



81.4645, 0.2917, 0.3074



20.0956, 0.2980, 0.3261



32.0696, 0.2143, 0.2915



3.2212, 0.2156, 0.2961



# Inverse Universe

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



79.9470, 0.3169, 0.2998



76.3696, 0.3178, 0.2937



89.9660, 0.3344, 0.3497



18.2615, 0.3156, 0.3083



13.9654, 0.3530, 0.1718

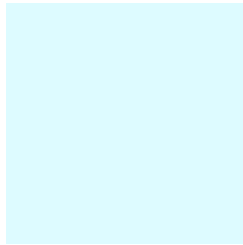


1.3697, 0.3488, 0.1695



# Previews

## White Background



This preview shows how the Yxy color 91.5865, 0.2922, 0.3249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

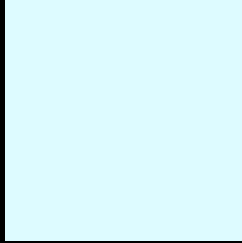
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.5865, 0.2922, 0.3249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

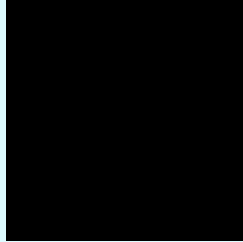
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

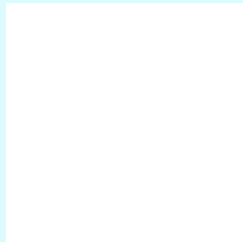
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.5865, 0.2922, 0.3249**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.5865, 0.2922, 0.3249.

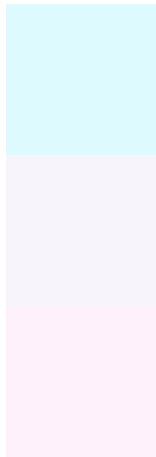


This preview shows how white text looks on a background with the Yxy color 91.5865, 0.2922, 0.3249.

# 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

91.5865, 0.2922, 0.3249

### Protanopia

91.6229, 0.3111, 0.3222

### Deuteranopia

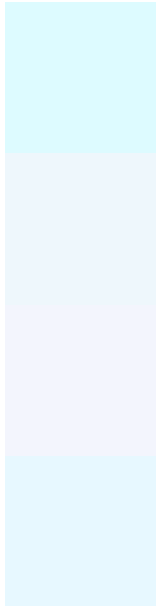
91.1989, 0.3152, 0.3184



## Tritanopia

91.7461, 0.3018, 0.3211

# Trichromacy



## Original Color

91.5865, 0.2922, 0.3249

## Protanomaly

91.7269, 0.3041, 0.3240

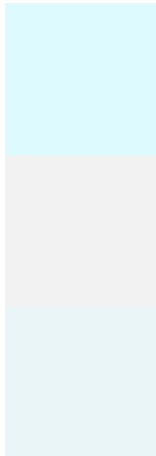
## Deuteranomaly

91.4514, 0.3067, 0.3211

## Tritanomaly

91.3437, 0.2981, 0.3220

# Monochromacy



## Original Color

91.5865, 0.2922, 0.3249

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

89.5126, 0.3045, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.5865, 0.2922, 0.3249 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, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 251, 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, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 251, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 91.5865, 0.2922, 0.3249 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, 251, 255) }
```

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

```
.border{ border-color:rgb(221, 251, 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, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 251, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 251, 255); box-shadow:4px 4px 4px 4px rgb(221, 251, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.5865, 0.2922, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 251, 255) }
```

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

```
.background{ background-color: rgb(221,  
251, 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