

# Converting Colors

$Yxy(92.4403, 0.2942, 0.3238)$

Have a look what the booklet for  
Yxy(92.4403, 0.2942, 0.3238)  
contains.

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# **Color**

**Yxy(92.3831, 0.2951, 0.3249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2FBFF
RGB	226, 251, 255
RGB Percent	89%, 98%, 100%
CMY	0.1138, 0.0157, 0.0000
CMYK	0.11, 0.02, 0.00, 0.00
HSL	188°, 100%, 94%
HSV	188°, 11%, 100%
XYZ	83.9097, 92.3831, 108.0504
YIQ	243.9810, -16.1840, -4.0560

# Conversions

## Conversions Part 2

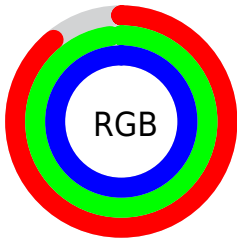
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 239, 255
Decimal	14875647
CIE <sub>Lab</sub>	96.98, -7.31, -4.70
CIE <sub>LCh</sub>	97, 8.695, 212.731
Yxy	92.3831, 0.2951, 0.3249
Android (android.graphics.Color)	4293065727 (0xFFE2FBFF)
YUV	243.9810, 5.4324, -15.7693
Hunter-Lab	96.1161, -12.3722, 0.6295

# Details

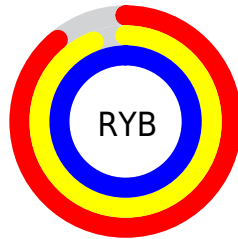
The Yxy color **92.3831, 0.2951, 0.3249** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.3237, 0.3327, 0.3330**, and the grayscale version is **90.4133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.2068, 0.2913, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **86.3939, 0.2802, 0.3210**, and if you desaturate by 10%, it is **99.0283, 0.3106, 0.3285**.

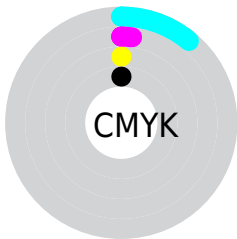
# Distribution



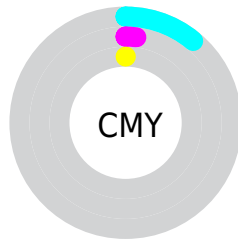
- Red (89%)
- Green (98%)
- Blue (100%)



- Red (89%)
- Yellow (94%)
- Blue (100%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.3831, 0.2951, 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 92.3831, 0.2951, 0.3249 by changing the saturation by 10% instead.



 92.3831, 0.2951,  
0.3249

 92.3831, 0.2951,  
0.3249


535.7529, 0.3029,  
0.3268

 69.9589, 0.2934,  
0.3245


150.6442, 0.2977,  
0.3255

 51.4930, 0.2914,  
0.3240


187.2500, 0.2988,  
0.3258

 36.6011, 0.2888,  
0.3233


229.3516, 0.2997,  
0.3260

 24.8988, 0.2856,  
0.3225

277.3336, 0.3005,  
0.3262

 16.0017, 0.2814,  
0.3213

331.5803, 0.3012,  
0.3264

 9.5253, 0.2756,  
0.3197

392.4762, 0.3018,

 5.0854, 0.2672,

0.3265

0.3173

460.4056, 0.3024,  
0.3267

■ 2.2975, 0.2540,  
0.3132

■ 0.7724, 0.2211,  
0.3074

■ 92.3831, 0.2951,  
0.3249

■ 92.3831, 0.2951,  
0.3249

■ 86.3939, 0.2802,  
0.3210

■ 99.0283, 0.3106,  
0.3285

■ 81.0298, 0.2662,  
0.3168

100.0000, 0.3127,  
0.3290

■ 76.2630, 0.2533,  
0.3123

■ 72.0617, 0.2418,  
0.3077

■ 68.3912, 0.2321,  
0.3028

■ 65.2125, 0.2242,  
0.2979

■ 62.4810, 0.2184,  
0.2930

■ 60.1429, 0.2144,  
0.2881

■ 58.3728, 0.2122,  
0.2839

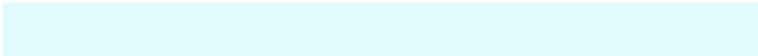
# Harmonies

## Analogous

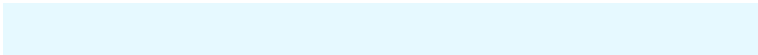
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.3831, 0.3005, 0.3337



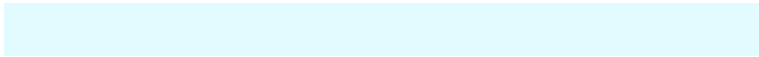
92.3831, 0.2951, 0.3249



92.3831, 0.2943, 0.3174

# Triad

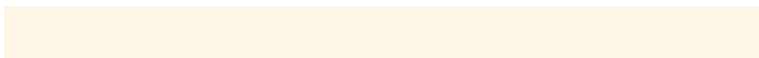
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.3831, 0.2951, 0.3249



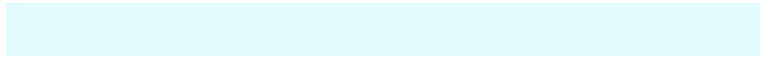
92.3831, 0.3160, 0.3171



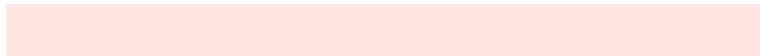
92.3831, 0.3272, 0.3451

# Complementary

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



92.3831, 0.2951, 0.3249



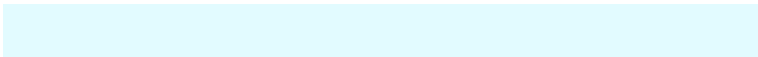
83.3237, 0.3327, 0.3330

# Split Complementary

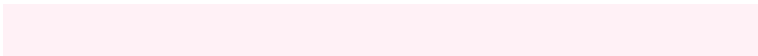
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.3831, 0.3315, 0.3403



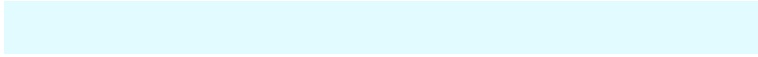
92.3831, 0.2951, 0.3249



92.3831, 0.3250, 0.3242

# Square

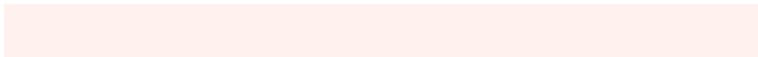
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.3831, 0.2951, 0.3249



92.3831, 0.3062, 0.3130



92.3831, 0.3307, 0.3327

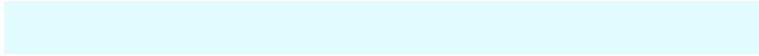


92.3831, 0.3190, 0.3456

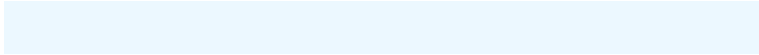


# Rectangle

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



92.3831, 0.2951, 0.3249



92.3831, 0.2965, 0.3141



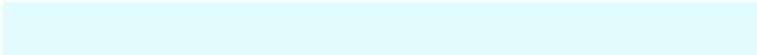
92.3831, 0.3307, 0.3327



92.3831, 0.3291, 0.3439

# Sweetspot

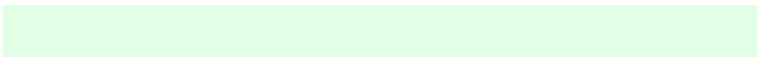
The Sweet Spot groups the original color and five complimentary colors.



92.3843, 0.2951, 0.3249



97.9085, 0.3080, 0.3280



93.3889, 0.3091, 0.3548



20.8390, 0.3068, 0.3277



0.0000, 0.0000, 0.0000

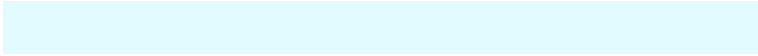


21.4041, 0.3127, 0.3290

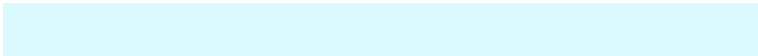


# Same Dimension

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



92.3843, 0.2951, 0.3249



90.7544, 0.2912, 0.3240



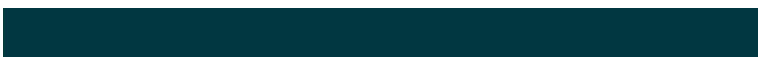
83.7311, 0.2949, 0.3102



20.0303, 0.2980, 0.3256



30.6655, 0.2124, 0.2848



3.0982, 0.2140, 0.2903



# Inverse Universe

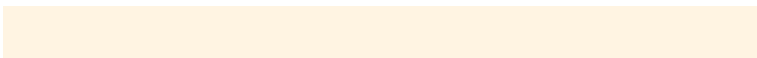
The Inverse Universe completely reimagines the original color for something new.



82.6040, 0.3166, 0.3047



78.9876, 0.3176, 0.2989



91.6660, 0.3310, 0.3471



18.2549, 0.3159, 0.3087



13.8237, 0.3591, 0.1752

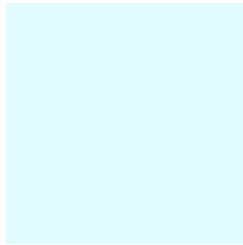


1.3573, 0.3541, 0.1724



# Previews

## White Background



This preview shows how the Yxy color 92.3831, 0.2951, 0.3249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

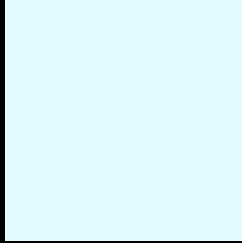
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.3831, 0.2951, 0.3249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

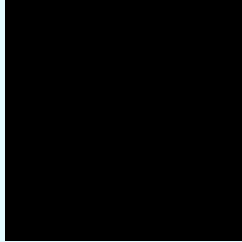
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

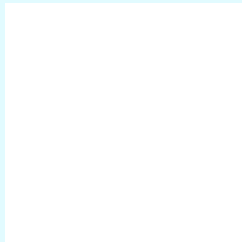
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.3831, 0.2951, 0.3249**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.3831, 0.2951, 0.3249.

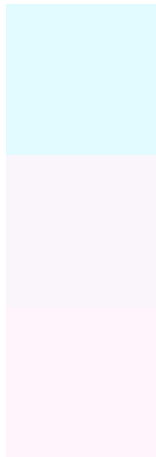


This preview shows how white text looks on a background with the Yxy color 92.3831, 0.2951, 0.3249.

# 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

92.3831, 0.2951, 0.3249

### Protanopia

92.4096, 0.3117, 0.3232

### Deuteranopia

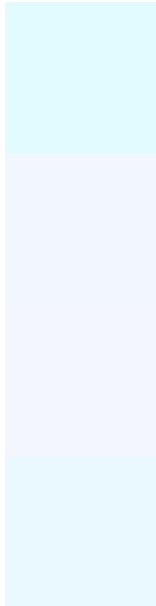
92.3895, 0.3151, 0.3204



## Tritanopia

92.0923, 0.3030, 0.3211

# Trichromacy



## Original Color

92.3831, 0.2951, 0.3249

## Protanomaly

92.2506, 0.3060, 0.3241

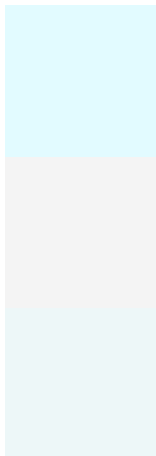
## Deuteranomaly

92.2365, 0.3073, 0.3221

## Tritanomaly

91.8472, 0.2999, 0.3220

# Monochromacy



## Original Color

92.3831, 0.2951, 0.3249

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

91.3034, 0.3058, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.3831, 0.2951, 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(226, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 251, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 92.3831, 0.2951, 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(226, 251, 255) }
```

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

```
.border{ border-color:rgb(226, 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(226, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 251,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.3831, 0.2951, 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(226, 251, 255) }
```

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

```
.background{ background-color: rgb(226,  
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](#).

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