

# Converting Colors

$Y_{xy}(100.0000, 0.2846, 0.3233)$

Have a look what the booklet for  
Yxy(100.0000, 0.2846, 0.3233)  
contains.

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# Color

**Yxy(93.8001, 0.2911, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBFFFF
RGB	219, 255, 255
RGB Percent	86%, 100%, 100%
CMY	0.1413, 0.0000, 0.0000
CMYK	0.14, 0.00, 0.00, 0.00
HSL	180°, 100%, 93%
HSV	180°, 14%, 100%
XYZ	83.0198, 93.8001, 108.3735
YIQ	244.2360, -21.4560, -7.6320

# Conversions

## Conversions Part 2

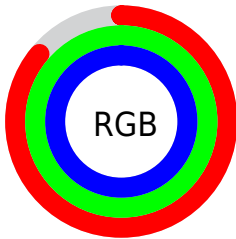
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 237, 255
Decimal	14417919
CIE <sub>Lab</sub>	97.55, -11.49, -3.91
CIE <sub>LCh</sub>	98, 12.140, 198.785
Yxy	93.8001, 0.2911, 0.3289
Android (android.graphics.Color)	4292607999 (0xFFDBFFFF)
YUV	244.2360, 5.3067, -22.1320
Hunter-Lab	96.8505, -16.4789, 1.4511

# Details

The Yxy color **93.8001, 0.2911, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.0153, 0.3390, 0.3291**, and the grayscale version is **90.6247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.3579, 0.2871, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **90.1382, 0.2770, 0.3289**, and if you desaturate by 10%, it is **98.0557, 0.3062, 0.3290**.

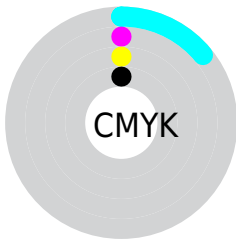
# Distribution



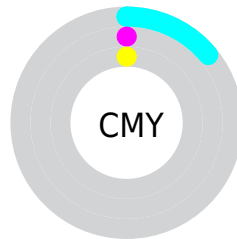
- Red (86%)
- Green (100%)
- Blue (100%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.8001, 0.2911, 0.3289 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 93.8001, 0.2911, 0.3289 by changing the saturation by 10% instead.




 93.8001, 0.2911,  
0.3289

 93.8001, 0.2911,  
0.3289


540.3165, 0.3006,  
0.3290

 71.1367, 0.2890,  
0.3289


152.6059, 0.2943,  
0.3290

 52.4538, 0.2865,  
0.3288


189.5170, 0.2956,  
0.3290

 37.3669, 0.2835,  
0.3287


231.9462, 0.2967,  
0.3290

 25.4917, 0.2795,  
0.3286

280.2778, 0.2977,  
0.3290

 16.4438, 0.2744,  
0.3284

334.8962, 0.2985,  
0.3290

 9.8387, 0.2675,  
0.3280

396.1859, 0.2993,

 5.2921, 0.2575,

0.3290

0.3274

464.5312, 0.3000,  
0.3290

■ 2.4197, 0.2418,  
0.3261

■ 0.8360, 0.2015,  
0.3278

■ 93.8001, 0.2911,  
0.3289

■ 93.8001, 0.2911,  
0.3289

■ 90.1382, 0.2770,  
0.3289

■ 98.0557, 0.3062,  
0.3290


■ 87.0606, 0.2642,  
0.3289

100.0000, 0.3127,  
0.3290

■ 84.5317, 0.2530,  
0.3288

■ 82.5192, 0.2436,  
0.3288

 80.9877, 0.2361,  
0.3288

 79.8969, 0.2307,  
0.3288

 79.2004, 0.2271,  
0.3287

 78.8412, 0.2252,  
0.3287

 78.7400, 0.2247,  
0.3287

# Harmonies

## Analogous

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



93.8001, 0.3010, 0.3410



93.8001, 0.2911, 0.3289



93.8001, 0.2869, 0.3172

# Triad

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



93.8001, 0.2911, 0.3289



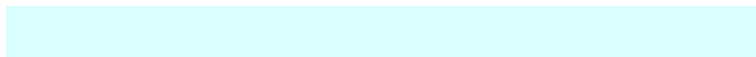
93.8001, 0.3108, 0.3094



93.8001, 0.3364, 0.3489

# Complementary

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



93.8001, 0.2911, 0.3289



77.0153, 0.3390, 0.3291

# 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.



93.8001, 0.3393, 0.3400



93.8001, 0.2911, 0.3289



93.8001, 0.3243, 0.3174

# Square

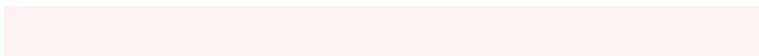
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.8001, 0.2911, 0.3289



93.8001, 0.2981, 0.3062



93.8001, 0.3348, 0.3285



93.8001, 0.3272, 0.3526



# Rectangle

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



93.8001, 0.2911, 0.3289



93.8001, 0.2878, 0.3111



93.8001, 0.3348, 0.3285



93.8001, 0.3382, 0.3464

# Sweetspot

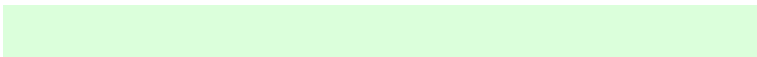
The Sweet Spot groups the original color and five complimentary colors.



93.7941, 0.2911, 0.3289



98.1165, 0.3065, 0.3290



91.6865, 0.3109, 0.3667



20.9276, 0.3053, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

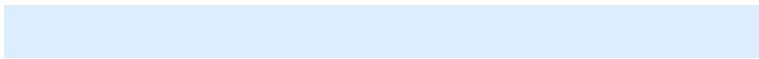
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.7941, 0.2911, 0.3289



92.6851, 0.2870, 0.3289



82.8313, 0.2905, 0.3104



20.4815, 0.2980, 0.3290



41.1433, 0.2247, 0.3287



4.0060, 0.2247, 0.3287



# Inverse Universe

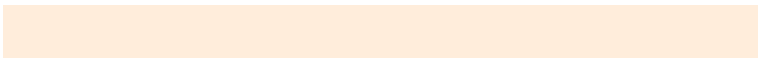
The Inverse Universe completely reimagines the original color for something new.



79.1229, 0.3144, 0.2940



75.3922, 0.3147, 0.2867



86.9296, 0.3364, 0.3469



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 93.8001, 0.2911, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

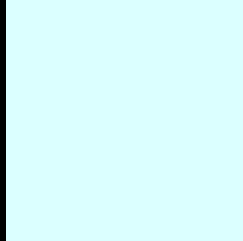
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.8001, 0.2911, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

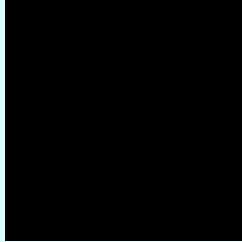
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.8001, 0.2911, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.8001, 0.2911, 0.3289.



This preview shows how white text looks on a background with the Yxy color 93.8001, 0.2911, 0.3289.

# Color Blindness Simulation

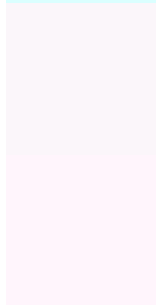
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

93.8001, 0.2911, 0.3289



### Protanopia

93.3229, 0.3135, 0.3251

### Deuteranopia

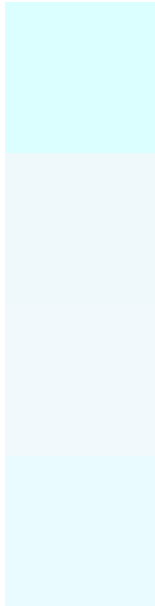
93.5931, 0.3150, 0.3223



## Tritanopia

93.6721, 0.3042, 0.3231

# Trichromacy



## Original Color

93.8001, 0.2911, 0.3289

## Protanomaly

93.1304, 0.3047, 0.3260

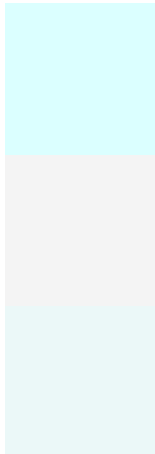
## Deuteranomaly

93.7205, 0.3060, 0.3251

## Tritanomaly

93.5380, 0.2993, 0.3250

# Monochromacy



## Original Color

93.8001, 0.2911, 0.3289

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

91.5743, 0.3045, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.8001, 0.2911, 0.3289 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 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(219, 255, 255) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 93.8001, 0.2911, 0.3289 is called "border". The border property can be set on classes, ids or directly on the HTML element.

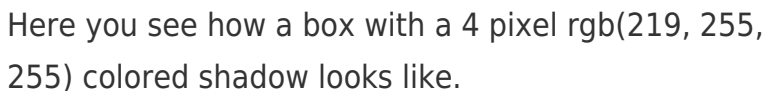
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 255, 255) }
```

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

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

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, 255)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to Yxy 93.8001, 0.2911, 0.3289 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, 255) }
```

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

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