

# Converting Colors

$Yxy(93.8788, 0.2926, 0.3316)$

Have a look what the booklet for  
Yxy(93.8788, 0.2926, 0.3316)  
contains.

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# Color

**Yxy(93.6719, 0.2922, 0.3310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBFFFD
RGB	219, 255, 253
RGB Percent	86%, 100%, 99%
CMY	0.1413, 0.0000, 0.0079
CMYK	0.14, 0.00, 0.01, 0.00
HSL	177°, 100%, 93%
HSV	177°, 14%, 100%
XYZ	82.6916, 93.6719, 106.6331
YIQ	244.0080, -20.8140, -8.2540

# Conversions

## Conversions Part 2

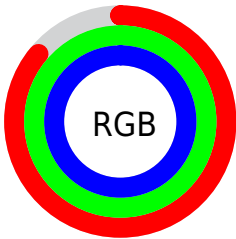
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 238, 255
Decimal	14417917
CIE Lab	97.50, -11.90, -2.92
CIE LCh	97, 12.255, 193.803
Yxy	93.6719, 0.2922, 0.3310
Android (android.graphics.Color)	4292607997 (0xFFDBFFFD)
YUV	244.0080, 4.4331, -21.9320
Hunter-Lab	96.7842, -16.8636, 2.4255

# Details

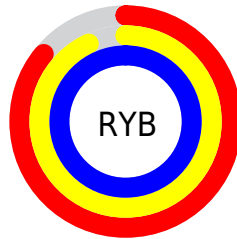
The Yxy color **93.6719, 0.2922, 0.3310** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.1234, 0.3376, 0.3270**, and the grayscale version is **90.4382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.2662, 0.2884, 0.3315** is the 20% darker color. If you saturate the color by 10%, you get **89.9183, 0.2787, 0.3325**, and if you desaturate by 10%, it is **98.0181, 0.3066, 0.3296**.

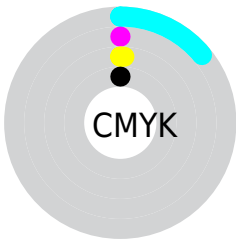
# Distribution



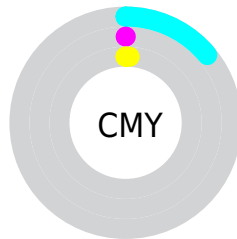
- Red (86%)
- Green (100%)
- Blue (99%)



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



- Cyan (14%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.6719, 0.2922, 0.3310 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 93.6719, 0.2922, 0.3310 by changing the saturation by 10% instead.



 93.6719, 0.2922,  
0.3310

 93.6719, 0.2922,  
0.3310

539.9044, 0.3012,  
0.3302

 71.0301, 0.2902,  
0.3312

152.4285, 0.2953,  
0.3307

 52.3668, 0.2879,  
0.3314


189.3121, 0.2965,  
0.3306

 37.2975, 0.2849,  
0.3316


231.7117, 0.2975,  
0.3305

 25.4379, 0.2812,  
0.3319

280.0118, 0.2984,  
0.3304

 16.4036, 0.2763,  
0.3322

334.5967, 0.2993,  
0.3304

 9.8102, 0.2697,  
0.3326


395.8509, 0.3000,


 5.2733, 0.2601,


0.3303


464.1586, 0.3006,  
0.3302


0.3331


 2.4085, 0.2450,  
0.3337

 0.8303, 0.2040,  
0.3396

 93.6719, 0.2922,  
0.3310


 93.6719, 0.2922,  
0.3310


 89.9183, 0.2787,  
0.3325

 98.0181, 0.3066,  
0.3296

 86.7507, 0.2665,  
0.3342

100.0000, 0.3127,  
0.3290

 84.1323, 0.2558,  
0.3360

 82.0312, 0.2468,  
0.3378

■ 80.4116, 0.2396,  
0.3397

■ 79.2334, 0.2345,  
0.3416

■ 78.4503, 0.2313,  
0.3435

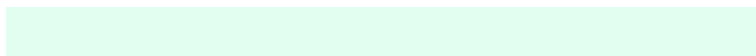
■ 78.0051, 0.2298,  
0.3453

■ 77.8537, 0.2296,  
0.3464

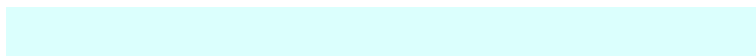
# Harmonies

## Analogous

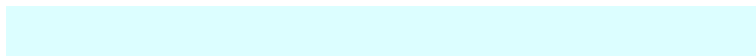
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.6719, 0.3030, 0.3429



93.6719, 0.2922, 0.3310



93.6719, 0.2869, 0.3188

# Triad

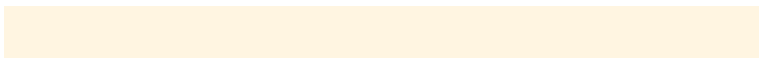
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.6719, 0.2922, 0.3310



93.6719, 0.3085, 0.3083



93.6719, 0.3376, 0.3479

# Complementary

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



93.6719, 0.2922, 0.3310



77.1234, 0.3376, 0.3270

# 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.



93.6719, 0.3393, 0.3383



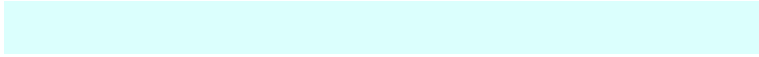
93.6719, 0.2922, 0.3310



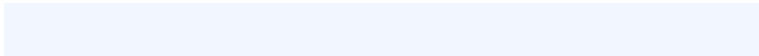
93.6719, 0.3222, 0.3157

# Square

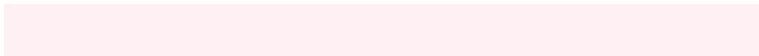
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



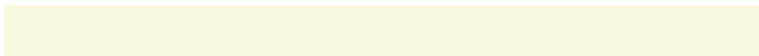
93.6719, 0.2922, 0.3310



93.6719, 0.2961, 0.3061



93.6719, 0.3336, 0.3266

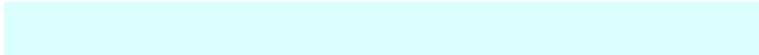


93.6719, 0.3292, 0.3527

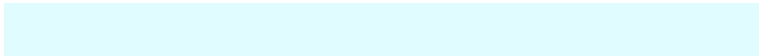


# Rectangle

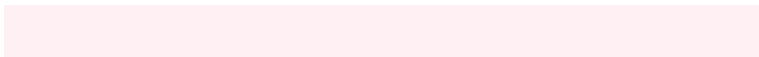
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.6719, 0.2922, 0.3310



93.6719, 0.2871, 0.3123



93.6719, 0.3336, 0.3266



93.6719, 0.3390, 0.3451

# Sweetspot

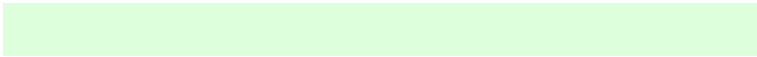
The Sweet Spot groups the original color and five complimentary colors.



93.6650, 0.2922, 0.3310



98.0798, 0.3068, 0.3295



92.0622, 0.3124, 0.3665



20.9182, 0.3057, 0.3296



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

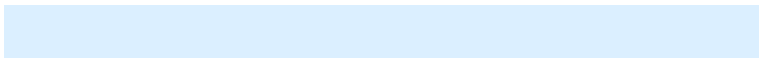
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.6650, 0.2922, 0.3310



92.5296, 0.2882, 0.3314



84.2325, 0.2906, 0.3129



20.4629, 0.2988, 0.3303



40.6878, 0.2295, 0.3461



3.9668, 0.2289, 0.3440



# Inverse Universe

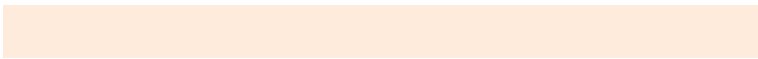
The Inverse Universe completely reimagines the original color for something new.



77.1234, 0.3376, 0.3270



73.0312, 0.3437, 0.3266



85.5485, 0.3368, 0.3446



18.0036, 0.3286, 0.3277



11.1323, 0.6344, 0.3269

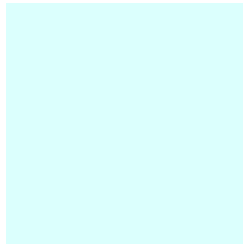


1.0895, 0.6213, 0.3196



# Previews

## White Background



This preview shows how the Yxy color 93.6719, 0.2922, 0.3310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

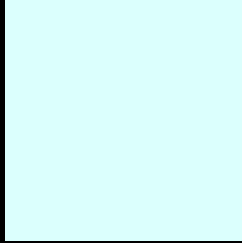
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.6719, 0.2922, 0.3310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

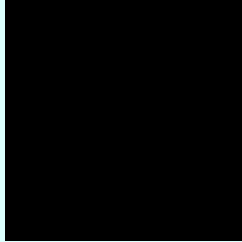
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.6719, 0.2922, 0.3310**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.6719, 0.2922, 0.3310.



This preview shows how white text looks on a background with the Yxy color 93.6719, 0.2922, 0.3310.

# Color Blindness Simulation

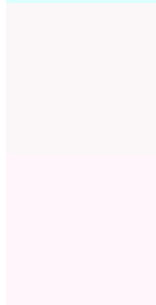
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

93.6719, 0.2922, 0.3310



### Protanopia

93.1981, 0.3147, 0.3271

### Deuteranopia

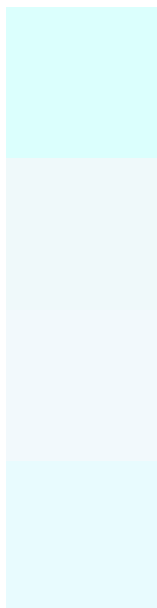
93.5299, 0.3156, 0.3232



## Tritanopia

93.4966, 0.3036, 0.3231

# Trichromacy



## Original Color

93.6719, 0.2922, 0.3310

## Protanomaly

93.0042, 0.3059, 0.3280

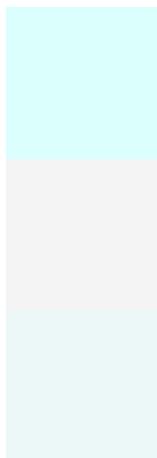
## Deuteranomaly

93.6569, 0.3066, 0.3260

## Tritanomaly

93.3059, 0.2993, 0.3260

# Monochromacy



## Original Color

93.6719, 0.2922, 0.3310

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

91.5124, 0.3051, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.6719, 0.2922, 0.3310 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 93.6719, 0.2922, 0.3310 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, 253) }
```

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

```
.border{ border-color:rgb(219, 255, 253) }
```

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, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.6719, 0.2922, 0.3310 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, 253) }
```

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

```
.background{ background-color: rgb(219,  
255, 253) }
```

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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