

# Converting Colors

$Y_{xy}(106.1251, 0.2257, 0.2048)$

Have a look what the booklet for  
Yxy(106.1251, 0.2257, 0.2048)  
contains.

<b>Yxy(92.0695, 0.2893, 0.3269)</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(92.0695, 0.2893, 0.3269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8FDFF
RGB	216, 253, 255
RGB Percent	85%, 99%, 100%
CMY	0.1532, 0.0078, 0.0000
CMYK	0.15, 0.01, 0.00, 0.00
HSL	183°, 100%, 92%
HSV	183°, 15%, 100%
XYZ	81.4797, 92.0695, 108.0951
YIQ	242.1650, -22.6940, -7.2220

# Conversions

## Conversions Part 2

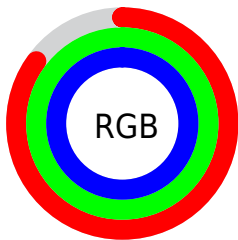
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 235, 255
Decimal	14220799
CIE Lab	96.85, -11.44, -4.95
CIE LCh	97, 12.464, 203.399
Yxy	92.0695, 0.2893, 0.3269
Android (android.graphics.Color)	4292410879 (0xFFD8FDFF)
YUV	242.1650, 6.3277, -22.9467
Hunter-Lab	95.9529, -16.3418, 0.3742

# Details

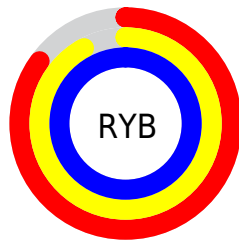
The Yxy color **92.0695, 0.2893, 0.3269** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.3089, 0.3413, 0.3311**, and the grayscale version is **88.8851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.1341, 0.2848, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **87.6742, 0.2751, 0.3254**, and if you desaturate by 10%, it is **97.0787, 0.3044, 0.3283**.

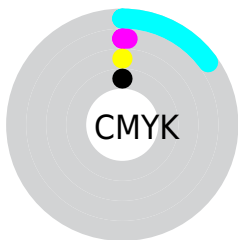
# Distribution



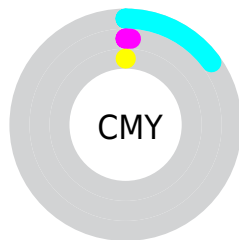
- Red (85%)
- Green (99%)
- Blue (100%)



- Red (85%)
- Yellow (92%)
- Blue (100%)



- Cyan (15%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (1%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.0695, 0.2893, 0.3269 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 92.0695, 0.2893, 0.3269 by changing the saturation by 10% instead.




 92.0695, 0.2893,  
0.3269

 92.0695, 0.2893,  
0.3269


534.7401, 0.2996,  
0.3279

 69.6984, 0.2871,  
0.3267


150.2097, 0.2928,  
0.3273

 51.2807, 0.2843,  
0.3263


186.7476, 0.2942,  
0.3274

 36.4320, 0.2810,  
0.3259

228.7765, 0.2954,  
0.3275

 24.7680, 0.2767,  
0.3254

276.6808, 0.2964,  
0.3276

 15.9043, 0.2711,  
0.3247

330.8449, 0.2974,  
0.3277

 9.4565, 0.2635,  
0.3236

391.6532, 0.2982,

 5.0401, 0.2525,

0.3278

0.3218

459.4902, 0.2989,  
0.3279

■ 2.2708, 0.2352,  
0.3187

■ 0.7582, 0.1850,  
0.3177

■ 92.0695, 0.2893,  
0.3269

■ 92.0695, 0.2893,  
0.3269

■ 87.6742, 0.2751,  
0.3254

■ 97.0787, 0.3044,  
0.3283

■ 83.8564, 0.2621,  
0.3238

100.0000, 0.3127,  
0.3290

■ 80.5891, 0.2506,  
0.3222

■ 77.8397, 0.2409,  
0.3205

■ 75.5722, 0.2330,  
0.3187

■ 73.7458, 0.2271,  
0.3170

■ 72.3130, 0.2231,  
0.3153

■ 71.2151, 0.2209,  
0.3136

■ 70.7771, 0.2202,  
0.3128

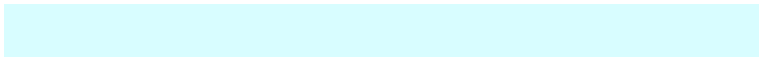
# Harmonies

## Analogous

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



92.0695, 0.2988, 0.3396



92.0695, 0.2893, 0.3269



92.0695, 0.2860, 0.3151

# Triad

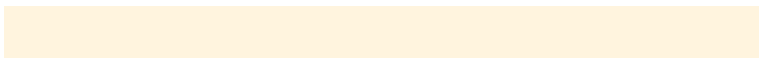
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.0695, 0.2893, 0.3269



92.0695, 0.3129, 0.3097



92.0695, 0.3361, 0.3505

# Complementary

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



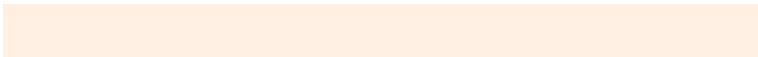
92.0695, 0.2893, 0.3269



76.3089, 0.3413, 0.3311

# 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.



92.0695, 0.3402, 0.3420



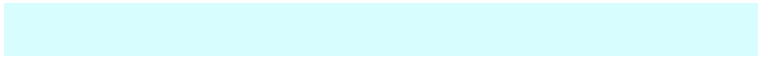
92.0695, 0.2893, 0.3269



92.0695, 0.3266, 0.3187

# Square

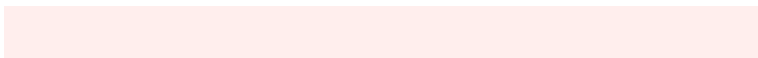
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.0695, 0.2893, 0.3269



92.0695, 0.2994, 0.3056



92.0695, 0.3367, 0.3304



92.0695, 0.3258, 0.3534

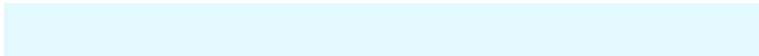


# Rectangle

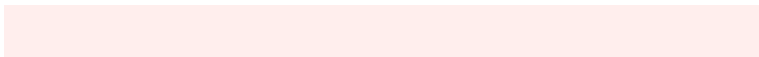
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.0695, 0.2893, 0.3269



92.0695, 0.2877, 0.3094



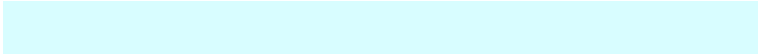
92.0695, 0.3367, 0.3304



92.0695, 0.3383, 0.3482

# Sweetspot

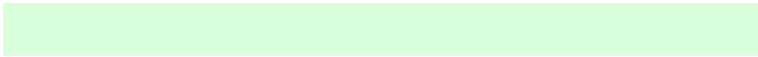
The Sweet Spot groups the original color and five complimentary colors.



92.0724, 0.2893, 0.3269



97.2503, 0.3049, 0.3284



91.1639, 0.3097, 0.3681



20.7356, 0.3038, 0.3283



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

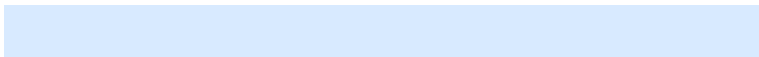
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.0724, 0.2893, 0.3269



90.8360, 0.2854, 0.3265



80.3756, 0.2885, 0.3066



20.3145, 0.2980, 0.3277



37.0513, 0.2203, 0.3131



3.6540, 0.2208, 0.3150



# Inverse Universe

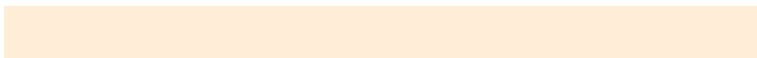
The Inverse Universe completely reimagines the original color for something new.



77.4285, 0.3158, 0.2928



73.9812, 0.3164, 0.2864



87.0249, 0.3384, 0.3504



18.2836, 0.3146, 0.3068



14.4683, 0.3340, 0.1614



1.4134, 0.3324, 0.1605



# Previews

## White Background



This preview shows how the Yxy color 92.0695, 0.2893, 0.3269 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

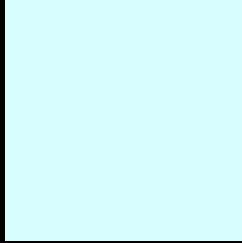
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.0695, 0.2893, 0.3269 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

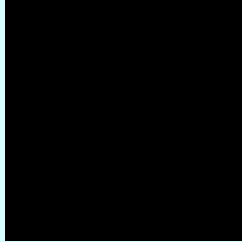
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.0695, 0.2893, 0.3269**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.0695, 0.2893, 0.3269.

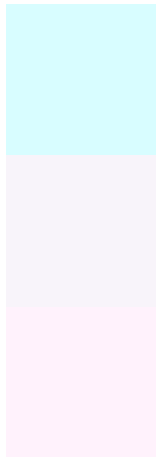


This preview shows how white text looks on a background with the Yxy color 92.0695, 0.2893, 0.3269.

# 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

92.0695, 0.2893, 0.3269

### Protanopia

91.5600, 0.3117, 0.3231

### Deuteranopia

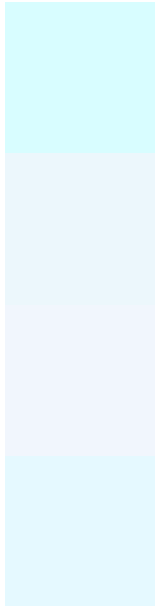
91.7925, 0.3151, 0.3194



## Tritanopia

91.5744, 0.3012, 0.3211

# Trichromacy



## Original Color

92.0695, 0.2893, 0.3269

## Protanomaly

91.3827, 0.3029, 0.3240

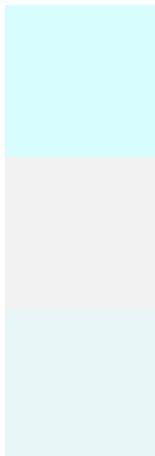
## Deuteranomaly

91.7042, 0.3054, 0.3221

## Tritanomaly

91.6294, 0.2969, 0.3230

# Monochromacy



## Original Color

92.0695, 0.2893, 0.3269

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

89.9506, 0.3039, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.0695, 0.2893, 0.3269 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(216, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 253, 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(216, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 253, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 92.0695, 0.2893, 0.3269 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(216, 253, 255) }
```

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

```
.border{ border-color:rgb(216, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 253,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.0695, 0.2893, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 253, 255) }
```

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

```
.background{ background-color: rgb(216,  
253, 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