

# Converting Colors

$Yxy(92.5929, 0.2877, 0.3304)$

Have a look what the booklet for  
Yxy(92.5929, 0.2877, 0.3304)  
contains.

<b>Yxy(92.6728, 0.2877, 0.3300)</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(92.6728, 0.2877, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4FFFE
RGB	212, 255, 254
RGB Percent	83%, 100%, 100%
CMY	0.1686, 0.0000, 0.0041
CMYK	0.17, 0.00, 0.00, 0.00
HSL	179°, 100%, 92%
HSV	179°, 17%, 100%
XYZ	80.7938, 92.6728, 107.3600
YIQ	242.0290, -25.3070, -9.4270

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 234, 255
Decimal	13959166
CIE Lab	97.09, -13.84, -4.07
CIE LCh	97, 14.422, 196.402
Yxy	92.6728, 0.2877, 0.3300
Android (android.graphics.Color)	4292149246 (0xFFD4FFFE)
YUV	242.0290, 5.9017, -26.3354
Hunter-Lab	96.2667, -18.6569, 1.2644

# Details

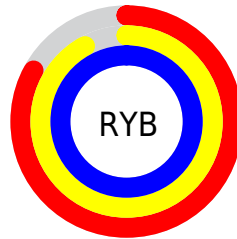
The Yxy color **92.6728, 0.2877, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.1505, 0.3444, 0.3280**, and the grayscale version is **88.7791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.5875, 0.2828, 0.3302** is the 20% darker color. If you saturate the color by 10%, you get **89.1350, 0.2742, 0.3307**, and if you desaturate by 10%, it is **96.8026, 0.3023, 0.3294**.

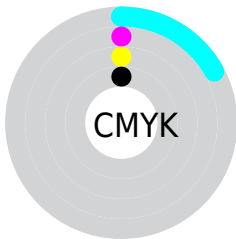
# Distribution



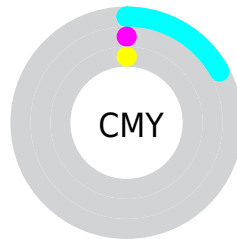
- Red (83%)
- Green (100%)
- Blue (100%)



- Red (83%)
- Yellow (92%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.6728, 0.2877, 0.3300 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 92.6728, 0.2877, 0.3300 by changing the saturation by 10% instead.




 92.6728, 0.2877,  
0.3300

 92.6728, 0.2877,  
0.3300

536.6876, 0.2987,  
0.3297

 70.1996, 0.2853,  
0.3301


151.0455, 0.2914,  
0.3299

 51.6893, 0.2824,  
0.3301


187.7138, 0.2929,  
0.3299

 36.7574, 0.2788,  
0.3302


229.8826, 0.2942,  
0.3298

 25.0197, 0.2743,  
0.3302

277.9363, 0.2953,  
0.3298

 16.0918, 0.2683,  
0.3302

332.2592, 0.2963,  
0.3298

 9.5891, 0.2603,  
0.3301

393.2358, 0.2972,

 5.1274, 0.2486,

0.3297

461.2504, 0.2980,  
0.3297

0.3299

2.3222, 0.2303,  
0.3291

0.7854, 0.1743,  
0.3349

92.6728, 0.2877,  
0.3300

92.6728, 0.2877,  
0.3300

89.1350, 0.2742,  
0.3307

96.8026, 0.3023,  
0.3294

86.1710, 0.2620,  
0.3314

100.0000, 0.3127,  
0.3290

83.7473, 0.2515,  
0.3321

81.8308, 0.2428,  
0.3329

■ 80.3850, 0.2360,  
0.3337

■ 79.3680, 0.2312,  
0.3344

■ 78.7313, 0.2282,  
0.3352

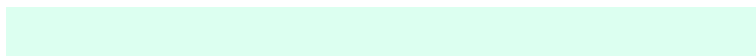
■ 78.4127, 0.2270,  
0.3360

■ 78.3491, 0.2267,  
0.3363

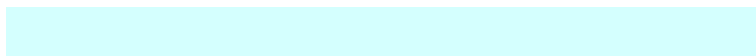
# Harmonies

## Analogous

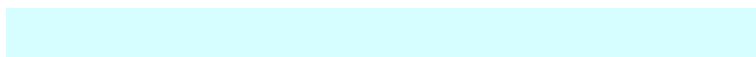
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6728, 0.2999, 0.3444



92.6728, 0.2877, 0.3300



92.6728, 0.2821, 0.3158

# Triad

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



92.6728, 0.2877, 0.3300



92.6728, 0.3091, 0.3052



92.6728, 0.3416, 0.3520

# Complementary

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



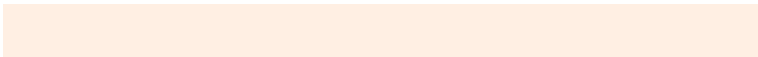
92.6728, 0.2877, 0.3300



73.1505, 0.3444, 0.3280

# 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.



92.6728, 0.3443, 0.3410



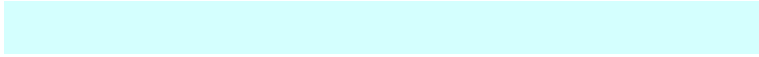
92.6728, 0.2877, 0.3300



92.6728, 0.3253, 0.3143

# Square

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



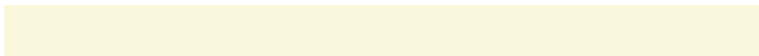
92.6728, 0.2877, 0.3300



92.6728, 0.2942, 0.3019



92.6728, 0.3383, 0.3273

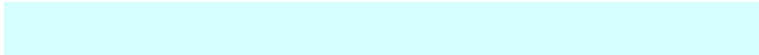


92.6728, 0.3310, 0.3571



# Rectangle

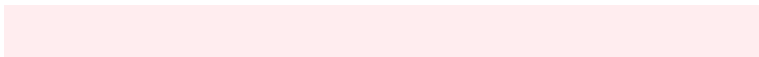
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.6728, 0.2877, 0.3300



92.6728, 0.2828, 0.3084



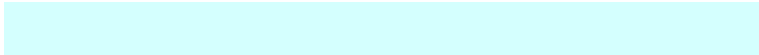
92.6728, 0.3383, 0.3273



92.6728, 0.3435, 0.3488

# Sweetspot

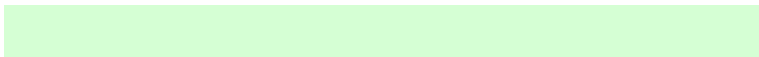
The Sweet Spot groups the original color and five complimentary colors.



92.6695, 0.2877, 0.3300



97.6417, 0.3051, 0.3293



90.4836, 0.3115, 0.3747



20.8311, 0.3040, 0.3293



0.0000, 0.0000, 0.0000

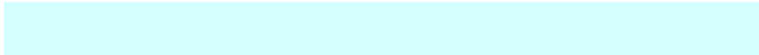


21.4041, 0.3127, 0.3290

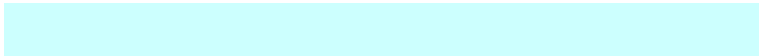


# Same Dimension

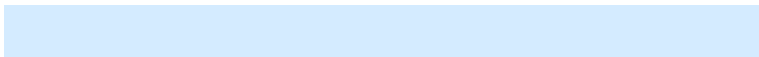
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.6695, 0.2877, 0.3300



91.4982, 0.2833, 0.3302



80.5936, 0.2862, 0.3080



20.4734, 0.2983, 0.3295



40.9425, 0.2267, 0.3361



3.9887, 0.2265, 0.3352



# Inverse Universe

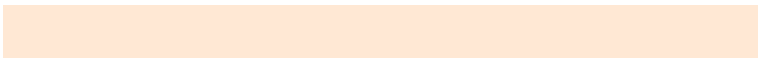
The Inverse Universe completely reimagines the original color for something new.



73.1505, 0.3444, 0.3280



68.8648, 0.3517, 0.3279



83.7626, 0.3418, 0.3492



17.9942, 0.3291, 0.3285



11.1189, 0.6376, 0.3286



1.0850, 0.6318, 0.3254



# Previews

## White Background



This preview shows how the Yxy color 92.6728, 0.2877, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

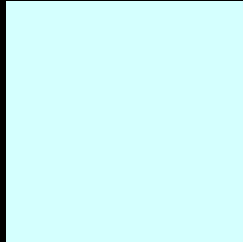
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.6728, 0.2877, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

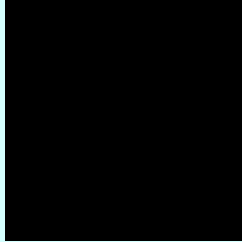
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.6728, 0.2877, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.6728, 0.2877, 0.3300.



This preview shows how white text looks on a background with the Yxy color 92.6728, 0.2877, 0.3300.

# Color Blindness Simulation

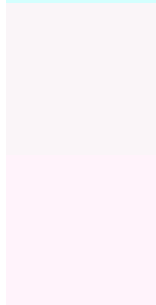
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

92.6728, 0.2877, 0.3300



### Protanopia

92.4061, 0.3141, 0.3261

### Deuteranopia

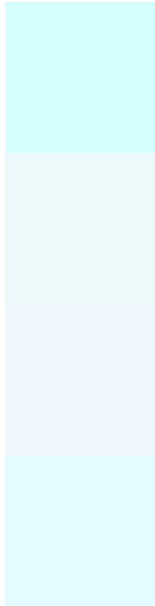
92.3262, 0.3157, 0.3213



## Tritanopia

92.3593, 0.3018, 0.3221

# Trichromacy



## Original Color

92.6728, 0.2877, 0.3300

## Protanomaly

92.4864, 0.3040, 0.3280

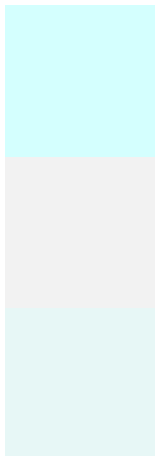
## Deuteranomaly

91.9005, 0.3047, 0.3240

## Tritanomaly

92.7083, 0.2963, 0.3250

# Monochromacy



## Original Color

92.6728, 0.2877, 0.3300

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

90.1643, 0.3032, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.6728, 0.2877, 0.3300 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(212, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 254)  
}
```

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(212, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 92.6728, 0.2877, 0.3300 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(212, 255, 254) }
```

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

```
.border{ border-color:rgb(212, 255, 254) }
```

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

Here you see how a box with a 4 pixel rgb(212, 255, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.6728, 0.2877, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 254) }
```

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

```
.background{ background-color: rgb(212,  
255, 254) }
```

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