

# Converting Colors

$Y_{xy}(100.0000, 0.2489, 0.2650)$

Have a look what the booklet for  
Yxy(100.0000, 0.2489, 0.2650)  
contains.

<b>Yxy(91.2966, 0.2816, 0.3289)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(91.2966, 0.2816, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAFFFF
RGB	202, 255, 255
RGB Percent	79%, 100%, 100%
CMY	0.2079, 0.0000, 0.0000
CMYK	0.21, 0.00, 0.00, 0.00
HSL	180°, 100%, 90%
HSV	180°, 21%, 100%
XYZ	78.1670, 91.2966, 108.1180
YIQ	239.1530, -31.5880, -11.2360

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 229, 255
Decimal	13303807
CIE Lab	96.53, -16.60, -5.51
CIE LCh	97, 17.491, 198.362
Yxy	91.2966, 0.2816, 0.3289
Android (android.graphics.Color)	4291493887 (0xFFCAFFFF)
YUV	239.1530, 7.8126, -32.5832
Hunter-Lab	95.5493, -21.1838, -0.2047

# Details

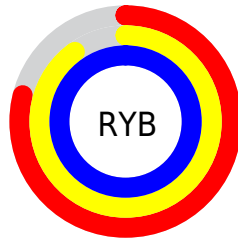
The Yxy color **91.2966, 0.2816, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.7632, 0.3547, 0.3291**, and the grayscale version is **86.3966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.6684, 0.2753, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **88.0280, 0.2683, 0.3289**, and if you desaturate by 10%, it is **95.1516, 0.2961, 0.3290**.

# Distribution



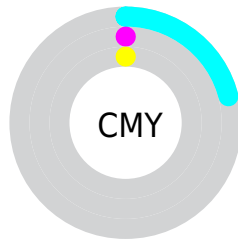
- Red (79%)
- Green (100%)
- Blue (100%)



- Red (79%)
- Yellow (90%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.2966, 0.2816, 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 91.2966, 0.2816, 0.3289 by changing the saturation by 10% instead.



 91.2966, 0.2816,  
0.3289

 91.2966, 0.2816,  
0.3289


532.2397, 0.2953,  
0.3291

 69.0565, 0.2786,  
0.3288


149.1381, 0.2862,  
0.3290

 50.7578, 0.2750,  
0.3287


185.5084, 0.2881,  
0.3290

 36.0159, 0.2706,  
0.3285


227.3575, 0.2897,  
0.3291

 24.4464, 0.2649,  
0.3283

275.0698, 0.2911,  
0.3291

 15.6651, 0.2575,  
0.3279

329.0299, 0.2923,  
0.3291

 9.2875, 0.2475,  
0.3272

389.6219, 0.2934,

 4.9292, 0.2330,

0.3291

457.2304, 0.2944,  
0.3291

0.3259

2.2058, 0.2105,  
0.3233

0.7231, 0.1286,  
0.3297

91.2966, 0.2816,  
0.3289

91.2966, 0.2816,  
0.3289

88.0280, 0.2683,  
0.3289

95.1516, 0.2961,  
0.3290


85.3189, 0.2566,  
0.3288

99.6219, 0.3115,  
0.3290


83.1374, 0.2466,  
0.3288

100.0000, 0.3127,  
0.3290

81.4491, 0.2384,  
0.3288

 80.2156, 0.2323,  
0.3288

 79.3929, 0.2281,  
0.3288

 78.9281, 0.2256,  
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.



91.2966, 0.2959, 0.3468



91.2966, 0.2816, 0.3289



91.2966, 0.2755, 0.3117

# Triad

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



91.2966, 0.2816, 0.3289



91.2966, 0.3095, 0.3007



91.2966, 0.3474, 0.3576

# Complementary

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



91.2966, 0.2816, 0.3289



67.7632, 0.3547, 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.



91.2966, 0.3514, 0.3444



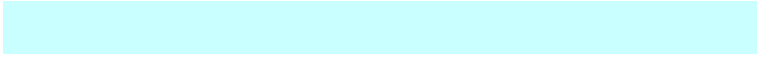
91.2966, 0.2816, 0.3289



91.2966, 0.3292, 0.3121

# Square

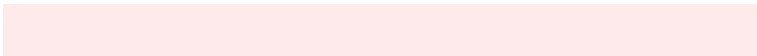
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.2966, 0.2816, 0.3289



91.2966, 0.2912, 0.2962



91.2966, 0.3447, 0.3279



91.2966, 0.3339, 0.3635

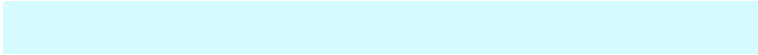


# Rectangle

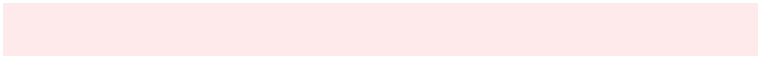
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



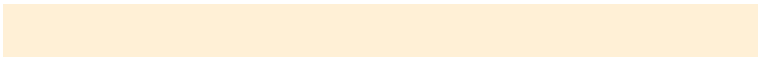
91.2966, 0.2816, 0.3289



91.2966, 0.2768, 0.3031



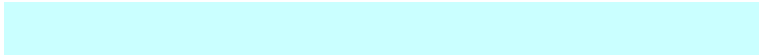
91.2966, 0.3447, 0.3279



91.2966, 0.3499, 0.3538

# Sweetspot

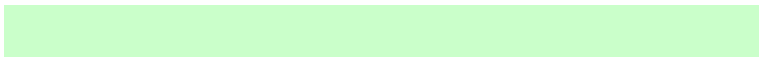
The Sweet Spot groups the original color and five complimentary colors.



91.2960, 0.2816, 0.3289



97.2128, 0.3034, 0.3290



88.3400, 0.3100, 0.3869



20.7455, 0.3024, 0.3290



0.0000, 0.0000, 0.0000

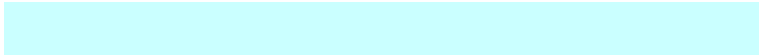


21.4041, 0.3127, 0.3290



# Same Dimension

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



91.2960, 0.2816, 0.3289



89.8488, 0.2759, 0.3289



75.5371, 0.2797, 0.3006



20.4815, 0.2980, 0.3290



41.1433, 0.2247, 0.3287



4.0060, 0.2247, 0.3287



# Inverse Universe

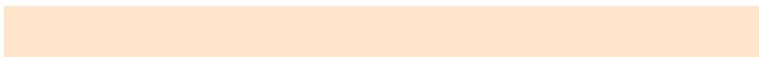
The Inverse Universe completely reimagines the original color for something new.



70.7191, 0.3151, 0.2772



65.8507, 0.3156, 0.2666



81.2852, 0.3493, 0.3559



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542

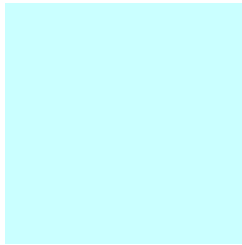


1.4490, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 91.2966, 0.2816, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

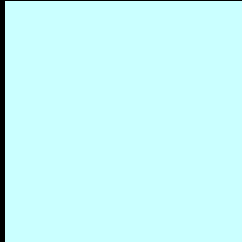
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.2966, 0.2816, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

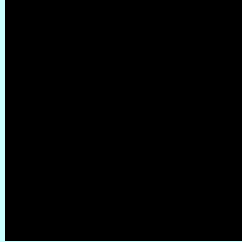
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 91.2966, 0.2816, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.2966, 0.2816, 0.3289.

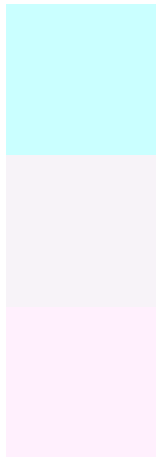


This preview shows how white text looks on a background with the Yxy color 91.2966, 0.2816, 0.3289.

# 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

91.2966, 0.2816, 0.3289

### Protanopia

90.6527, 0.3123, 0.3241

### Deuteranopia

90.6720, 0.3146, 0.3165



## Tritanopia

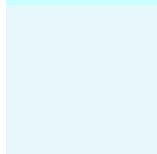
90.7305, 0.2981, 0.3210

# Trichromacy



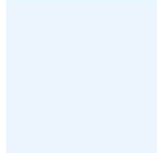
## Original Color

91.2966, 0.2816, 0.3289



## Protanomaly

90.4755, 0.3004, 0.3250



## Deuteranomaly

90.2934, 0.3017, 0.3200



## Tritanomaly

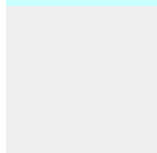
90.8069, 0.2916, 0.3239

# Monochromacy



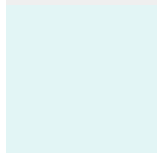
## Original Color

91.2966, 0.2816, 0.3289



## Achromatopsia

86.3157, 0.3127, 0.3290



## Achromatomaly

88.0661, 0.3007, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.2966, 0.2816, 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(202, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 91.2966, 0.2816, 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(202, 255, 255) }
```

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

```
.border{ border-color:rgb(202, 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(202, 255, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.2966, 0.2816, 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(202, 255, 255) }
```

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

```
.background{ background-color: rgb(202,  
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](#).

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