

# Converting Colors

$Yxy(95.8455, 0.2472, 0.2564)$

Have a look what the booklet for  
Yxy(95.8455, 0.2472, 0.2564)  
contains.

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# Color

**Yxy(90.1671, 0.2820, 0.3268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBFDFF
RGB	203, 253, 255
RGB Percent	80%, 99%, 100%
CMY	0.2039, 0.0078, 0.0000
CMYK	0.20, 0.01, 0.00, 0.00
HSL	182°, 100%, 90%
HSV	182°, 20%, 100%
XYZ	77.8064, 90.1671, 107.9356
YIQ	238.2780, -30.4420, -9.9780

# Conversions

## Conversions Part 2

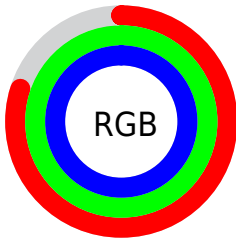
Format	Color
R <sub>Y</sub> B	203, 228, 255
Decimal	13368831
CIE Lab	96.07, -15.31, -6.20
CIE LCh	96, 16.521, 202.046
Yxy	90.1671, 0.2820, 0.3268
Android (android.graphics.Color)	4291558911 (0xFFC <sub>B</sub> F <sub>D</sub> F <sub>F</sub> )
YUV	238.2780, 8.2439, -30.9388
Hunter-Lab	94.9564, -19.9124, -0.9247

# Details

The Yxy color **90.1671, 0.2820, 0.3268** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.2308, 0.3533, 0.3312**, and the grayscale version is **85.6793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8530, 0.2758, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **86.2617, 0.2685, 0.3257**, and if you desaturate by 10%, it is **94.6678, 0.2967, 0.3279**.

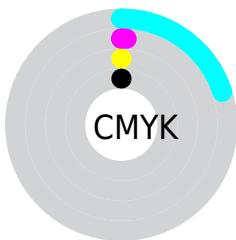
# Distribution



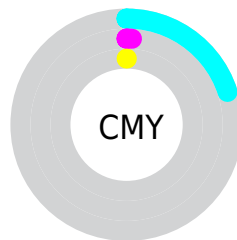
- Red (80%)
- Green (99%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (1%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.1671, 0.2820, 0.3268 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 90.1671, 0.2820, 0.3268 by changing the saturation by 10% instead.




 90.1671, 0.2820,  
0.3268

 90.1671, 0.2820,  
0.3268


528.5743, 0.2956,  
0.3280

 68.1192, 0.2790,  
0.3265

147.5705, 0.2866,  
0.3272

 49.9948, 0.2755,  
0.3261


183.6948, 0.2884,  
0.3274

 35.4092, 0.2711,  
0.3257


225.2801, 0.2900,  
0.3275

 23.9783, 0.2654,  
0.3250

272.7106, 0.2914,  
0.3276

 15.3175, 0.2581,  
0.3241

326.3710, 0.2926,  
0.3277

 9.0425, 0.2481,  
0.3227

386.6454, 0.2937,

 4.7689, 0.2336,

0.3278

0.3203

453.9184, 0.2947,  
0.3279

■ 2.1123, 0.2111,  
0.3158

■ 0.6715, 0.1250,  
0.3175

■ 90.1671, 0.2820,  
0.3268

■ 90.1671, 0.2820,  
0.3268

■ 86.2617, 0.2685,  
0.3257

■ 94.6678, 0.2967,  
0.3279

■ 82.9179, 0.2563,  
0.3244

99.7856, 0.3121,  
0.3290

■ 80.1061, 0.2458,  
0.3231

100.0000, 0.3127,  
0.3290

■ 77.7921, 0.2371,  
0.3218

■ 75.9376, 0.2304,  
0.3205

■ 74.4989, 0.2257,  
0.3192

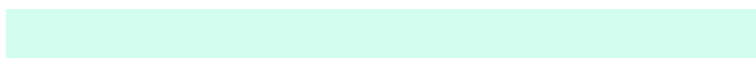
■ 73.4236, 0.2228,  
0.3179

■ 72.6522, 0.2213,  
0.3167

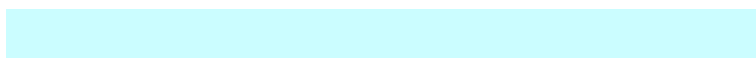
# Harmonies

## Analogous

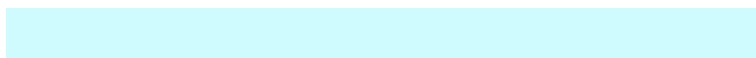
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1671, 0.2948, 0.3439



90.1671, 0.2820, 0.3268



90.1671, 0.2773, 0.3109

# Triad

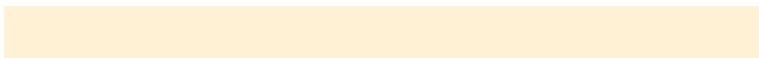
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.1671, 0.2820, 0.3268



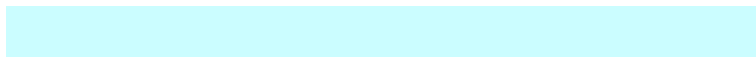
90.1671, 0.3120, 0.3031



90.1671, 0.3444, 0.3573

# Complementary

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



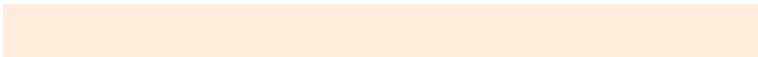
90.1671, 0.2820, 0.3268



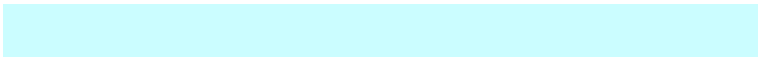
69.2308, 0.3533, 0.3312

# 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.



90.1671, 0.3495, 0.3454



90.1671, 0.2820, 0.3268



90.1671, 0.3305, 0.3146

# Square

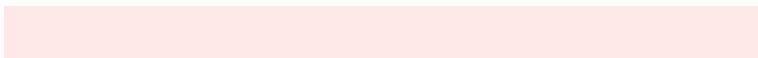
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.1671, 0.2820, 0.3268



90.1671, 0.2942, 0.2979



90.1671, 0.3444, 0.3299

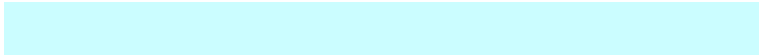


90.1671, 0.3308, 0.3618

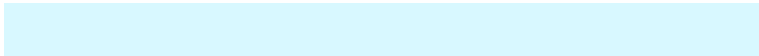


# Rectangle

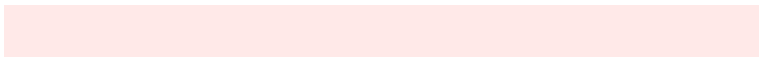
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1671, 0.2820, 0.3268



90.1671, 0.2792, 0.3033



90.1671, 0.3444, 0.3299



90.1671, 0.3472, 0.3540

# Sweetspot

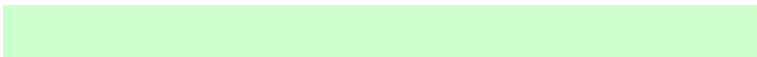
The Sweet Spot groups the original color and five complimentary colors.



90.1688, 0.2820, 0.3268



96.8386, 0.3034, 0.3284



88.6107, 0.3091, 0.3837



20.6567, 0.3024, 0.3283



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

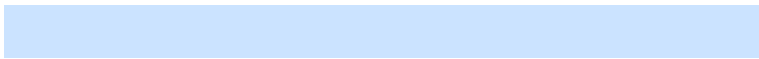
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1688, 0.2820, 0.3268



88.6930, 0.2770, 0.3264



74.9991, 0.2802, 0.2993



20.3547, 0.2980, 0.3280



38.0153, 0.2214, 0.3170



3.7372, 0.2218, 0.3184



# Inverse Universe

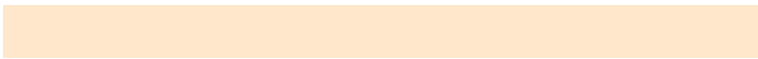
The Inverse Universe completely reimagines the original color for something new.



71.0622, 0.3165, 0.2800



66.8242, 0.3172, 0.2712



82.5733, 0.3481, 0.3570



18.2876, 0.3144, 0.3065



14.5656, 0.3308, 0.1596

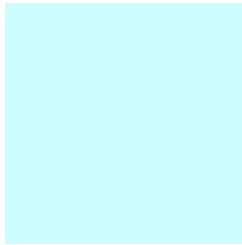


1.4218, 0.3296, 0.1589



# Previews

## White Background



This preview shows how the Yxy color 90.1671, 0.2820, 0.3268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

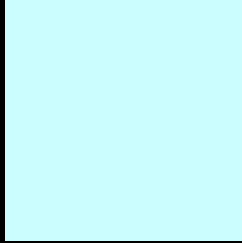
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.1671, 0.2820, 0.3268 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

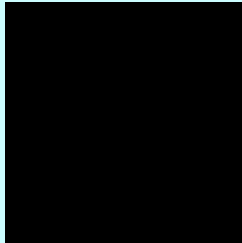
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 90.1671, 0.2820, 0.3268**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.1671, 0.2820, 0.3268.

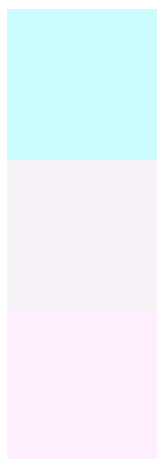


This preview shows how white text looks on a background with the Yxy color 90.1671, 0.2820, 0.3268.

# 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

90.1671, 0.2820, 0.3268

### Protanopia

89.8744, 0.3117, 0.3231

### Deuteranopia

89.5648, 0.3141, 0.3136



## Tritanopia

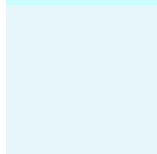
89.7895, 0.2969, 0.3199

# Trichromacy



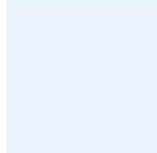
## Original Color

90.1671, 0.2820, 0.3268



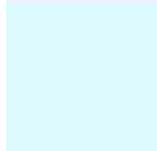
## Protanomaly

89.6996, 0.2997, 0.3239



## Deuteranomaly

89.0898, 0.3018, 0.3180



## Tritanomaly

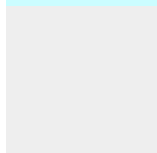
90.1870, 0.2915, 0.3228

# Monochromacy



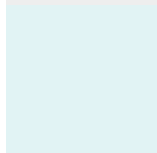
## Original Color

90.1671, 0.2820, 0.3268



## Achromatopsia

85.4993, 0.3127, 0.3290



## Achromatomaly

86.6404, 0.3007, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.1671, 0.2820, 0.3268 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(203, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 253, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 90.1671, 0.2820, 0.3268 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(203, 253, 255) }
```

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

```
.border{ border-color:rgb(203, 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(203, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 253,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.1671, 0.2820, 0.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 253, 255) }
```

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

```
.background{ background-color: rgb(203,  
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](#).

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