

# Converting Colors

$Yxy(88.2523, 0.2718, 0.3278)$

Have a look what the booklet for  
Yxy(88.2523, 0.2718, 0.3278)  
contains.

<b>Yxy(88.2940, 0.2720, 0.3278)</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(88.2940, 0.2720, 0.3278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8FEFF
RGB	184, 254, 255
RGB Percent	72%, 100%, 100%
CMY	0.2783, 0.0039, 0.0000
CMYK	0.28, 0.00, 0.00, 0.00
HSL	181°, 100%, 86%
HSV	181°, 28%, 100%
XYZ	73.2641, 88.2940, 107.7952
YIQ	233.1840, -42.0410, -14.5290

# Conversions

## Conversions Part 2

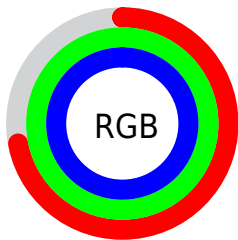
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	184, 219, 255
Decimal	12123903
CIE Lab	95.28, -21.23, -7.46
CIE LCh	95, 22.503, 199.365
Yxy	88.2940, 0.2720, 0.3278
Android (android.graphics.Color)	4290313983 (0xFFB8FEFF)
YUV	233.1840, 10.7553, -43.1344
Hunter-Lab	93.9649, -25.2627, -2.2412

# Details

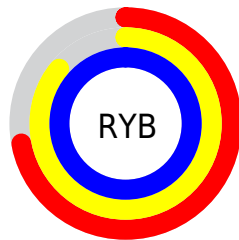
The Yxy color **88.2940, 0.2720, 0.3278** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.4310, 0.3737, 0.3302**, and the grayscale version is **81.5778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **48.6768, 0.2638, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **85.1980, 0.2597, 0.3273**, and if you desaturate by 10%, it is **91.9639, 0.2857, 0.3283**.

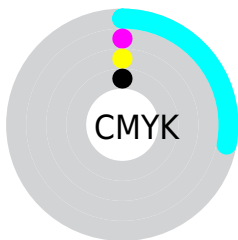
# Distribution



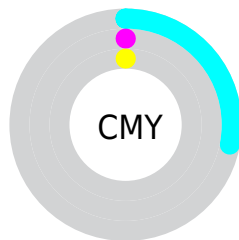
- Red (72%)
- Green (100%)
- Blue (100%)



- Red (72%)
- Yellow (86%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.2940, 0.2720, 0.3278 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 88.2940, 0.2720, 0.3278 by changing the saturation by 10% instead.





 88.2940, 0.2720,  
0.3278

 88.2940, 0.2720,  
0.3278


522.4655, 0.2900,  
0.3286

 66.5666, 0.2681,  
0.3276


 144.9664, 0.2781,  
0.3281

 48.7325, 0.2633,  
0.3272


180.6802, 0.2805,  
0.3282

 34.4073, 0.2575,  
0.3268


221.8248, 0.2826,  
0.3283

 23.2067, 0.2501,  
0.3261


268.7848, 0.2844,  
0.3284

 14.7462, 0.2404,  
0.3252

321.9445, 0.2860,  
0.3285

 8.6415, 0.2272,  
0.3236


381.6882, 0.2875,


 4.5081, 0.2083,


0.3285


0.3208


448.4004, 0.2888,  
0.3286


 1.9616, 0.1791,  
0.3150


 0.5850, 0.0211,  
0.3259


 88.2940, 0.2720,  
0.3278

 88.2940, 0.2720,  
0.3278

 85.1980, 0.2597,  
0.3273


 91.9639, 0.2857,  
0.3283

 82.6366, 0.2490,  
0.3269

 96.2272, 0.3006,  
0.3287

 80.5793, 0.2401,  
0.3264

100.0000, 0.3127,  
0.3290

 78.9892, 0.2332,  
0.3259

■ 77.8239, 0.2282,  
0.3254

■ 77.0339, 0.2251,  
0.3249

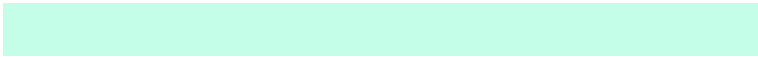
■ 76.5524, 0.2237,  
0.3245

■ 76.4680, 0.2234,  
0.3244

# Harmonies

## Analogous

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



88.2940, 0.2900, 0.3515



88.2940, 0.2720, 0.3278



88.2940, 0.2647, 0.3056

# Triad

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



88.2940, 0.2720, 0.3278



88.2940, 0.3093, 0.2930



88.2940, 0.3574, 0.3664

# Complementary

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



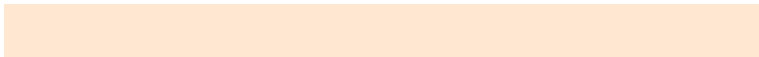
88.2940, 0.2720, 0.3278



59.4310, 0.3737, 0.3302

# 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.



88.2940, 0.3633, 0.3492



88.2940, 0.2720, 0.3278



88.2940, 0.3349, 0.3078

# Square

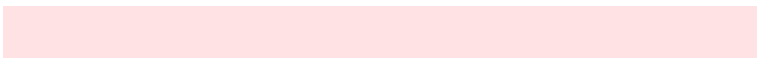
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



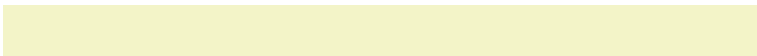
88.2940, 0.2720, 0.3278



88.2940, 0.2855, 0.2868



88.2940, 0.3550, 0.3280



88.2940, 0.3393, 0.3742

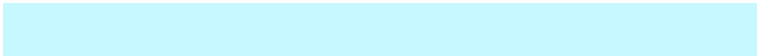


# Rectangle

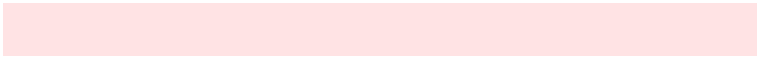
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



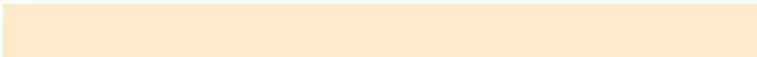
88.2940, 0.2720, 0.3278



88.2940, 0.2665, 0.2948



88.2940, 0.3550, 0.3280



88.2940, 0.3609, 0.3615

# Sweetspot

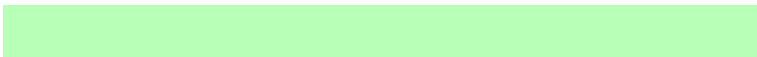
The Sweet Spot groups the original color and five complimentary colors.



88.2970, 0.2720, 0.3278



96.1508, 0.3003, 0.3287



85.1754, 0.3089, 0.4099



20.4349, 0.2980, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

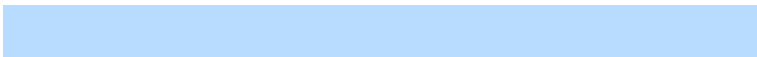
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.2970, 0.2720, 0.3278



86.6266, 0.2654, 0.3276



68.3449, 0.2681, 0.2895



20.4349, 0.2980, 0.3286



39.9763, 0.2235, 0.3245



3.9059, 0.2236, 0.3250



# Inverse Universe

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



62.7077, 0.3167, 0.2604



57.4730, 0.3175, 0.2478



75.6531, 0.3640, 0.3655



18.2957, 0.3140, 0.3059



14.7636, 0.3245, 0.1561

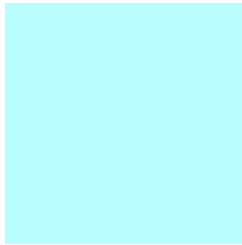


1.4388, 0.3240, 0.1559



# Previews

## White Background



This preview shows how the Yxy color 88.2940, 0.2720, 0.3278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

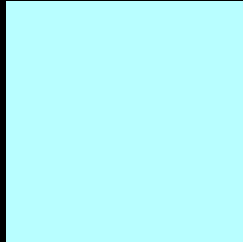
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.2940, 0.2720, 0.3278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

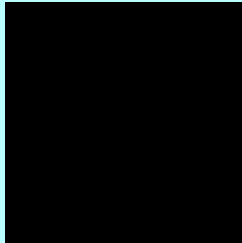
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.2940, 0.2720, 0.3278**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.2940, 0.2720, 0.3278.

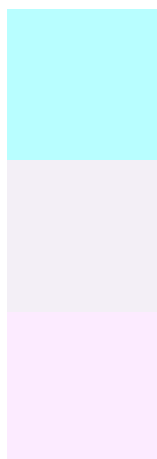


This preview shows how white text looks on a background with the Yxy color 88.2940, 0.2720, 0.3278.

# 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

88.2940, 0.2720, 0.3278

### Protanopia

87.4415, 0.3111, 0.3220

### Deuteranopia

87.3321, 0.3116, 0.3096



## Tritanopia

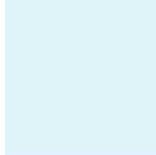
88.1916, 0.2908, 0.3198

# Trichromacy



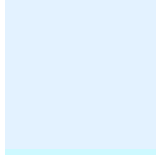
## Original Color

88.2940, 0.2720, 0.3278



## Protanomaly

87.0705, 0.2959, 0.3238



## Deuteranomaly

87.0552, 0.2956, 0.3158



## Tritanomaly

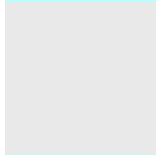
88.0932, 0.2834, 0.3227

# Monochromacy



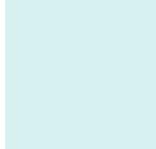
## Original Color

88.2940, 0.2720, 0.3278



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.7085, 0.2961, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.2940, 0.2720, 0.3278 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(184, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 254, 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(184, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 254, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 88.2940, 0.2720, 0.3278 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(184, 254, 255) }
```

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

```
.border{ border-color:rgb(184, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 254,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.2940, 0.2720, 0.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 254, 255) }
```

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

```
.background{ background-color: rgb(184,  
254, 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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