

# Converting Colors

$Yxy(74.6933, 0.2297, 0.3288)$

Have a look what the booklet for  
Yxy(74.6933, 0.2297, 0.3288)  
contains.

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# Color

**Yxy(74.8117, 0.2296, 0.3288)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AF8F8
RGB	58, 248, 248
RGB Percent	23%, 97%, 97%
CMY	0.7736, 0.0274, 0.0275
CMYK	0.77, 0.00, 0.00, 0.03
HSL	180°, 93%, 60%
HSV	180°, 77%, 97%
XYZ	52.2408, 74.8117, 100.4770
YIQ	191.1900, -113.2400, -40.2800

# Conversions

## Conversions Part 2

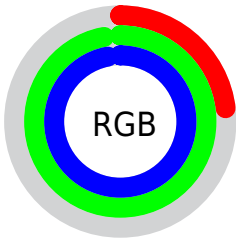
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	58, 153, 248
Decimal	3864824
CIE Lab	89.30, -44.33, -13.15
CIE LCh	89, 46.241, 196.528
Yxy	74.8117, 0.2296, 0.3288
Android (android.graphics.Color)	4282054904 (0xFF3AF8F8)
YUV	191.1900, 28.0073, -116.8076
Hunter-Lab	86.4938, -43.5531, -8.3297

# Details

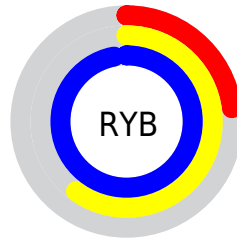
The Yxy color **74.8117, 0.2296, 0.3288** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.2621, 0.5809, 0.3298**, and the grayscale version is **52.0558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **41.0674, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **74.2449, 0.2265, 0.3288**, and if you desaturate by 10%, it is **75.7411, 0.2346, 0.3288**.

# Distribution



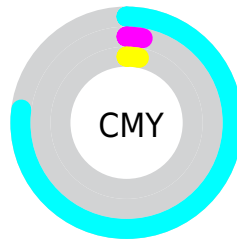
- Red (23%)
- Green (97%)
- Blue (97%)



- Red (23%)
- Yellow (60%)
- Blue (97%)



- Cyan (77%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)




- Cyan (77%)
- Magenta (3%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8117, 0.2296, 0.3288 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 74.8117, 0.2296, 0.3288 by changing the saturation by 10% instead.




 74.8117, 0.2296,  
0.3288


 74.8117, 0.2296,  
0.3288


477.2701, 0.2667,  
0.3301


 55.4586, 0.2215,  
0.3282

 126.0458, 0.2422,  
0.3295

 39.7690, 0.2117,  
0.3274


 158.6956, 0.2472,  
0.3297

 27.3585, 0.1995,  
0.3261


 196.5464, 0.2515,  
0.3298

 17.8427, 0.1842,  
0.3241

 239.9827, 0.2553,  
0.3299

 10.8371, 0.1645,  
0.3208

289.3888, 0.2587,  
0.3300

 5.9574, 0.1382,  
0.3149

345.1492, 0.2616,

 2.8192, 0.1026,

0.3300

407.6481, 0.2643,  
0.3301

0.3033

1.0381, 0.0000,  
0.2941

0.0000, 0.0000,  
0.0000

74.8117, 0.2296,  
0.3288

74.8117, 0.2296,  
0.3288

74.2449, 0.2265,  
0.3288

75.7411, 0.2346,  
0.3288


73.9749, 0.2250,  
0.3288

77.0702, 0.2416,  
0.3288


73.9223, 0.2247,  
0.3288


78.8404, 0.2505,  
0.3288


81.0861, 0.2612,  
0.3289

 83.8379, 0.2736,  
0.3289

 87.1243, 0.2874,  
0.3289

 90.9713, 0.3023,  
0.3290

 95.1855, 0.3172,  
0.3290

 95.1859, 0.3172,  
0.3290

# Harmonies

## Analogous

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



74.8117, 0.2672, 0.3844



74.8117, 0.2296, 0.3288



74.8117, 0.2138, 0.2797

# Triad

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



74.8117, 0.2296, 0.3288



74.8117, 0.2984, 0.2535



74.8117, 0.4106, 0.4027

# Complementary

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



74.8117, 0.2296, 0.3288



23.2621, 0.5809, 0.3298

# 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.



74.8117, 0.4228, 0.3630



74.8117, 0.2296, 0.3288



74.8117, 0.3548, 0.2812

# Square

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



74.8117, 0.2296, 0.3288



74.8117, 0.2506, 0.2420



74.8117, 0.4021, 0.3199



74.8117, 0.3718, 0.4273

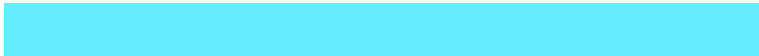


# Rectangle

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



74.8117, 0.2296, 0.3288



74.8117, 0.2161, 0.2575



74.8117, 0.4021, 0.3199



74.8117, 0.4182, 0.3905

# Sweetspot

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



74.8145, 0.2296, 0.3288



90.5220, 0.2786, 0.3289



68.4386, 0.3022, 0.5705



19.1184, 0.2737, 0.3289



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.



74.8145, 0.2296, 0.3288



78.8899, 0.2255, 0.3288



31.4623, 0.1968, 0.2026



19.6086, 0.2980, 0.3290



39.9257, 0.2247, 0.3288



3.6978, 0.2247, 0.3288



# Inverse Universe

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



23.2621, 0.5809, 0.3298



21.8267, 0.6292, 0.3299



41.9808, 0.4948, 0.4127



17.2253, 0.3294, 0.3290



10.7806, 0.6401, 0.3300

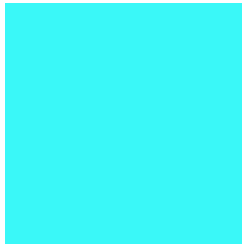


0.9985, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 74.8117, 0.2296, 0.3288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

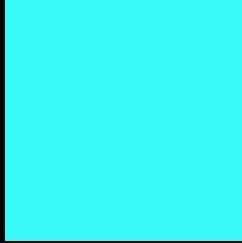
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.8117, 0.2296, 0.3288 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 74.8117, 0.2296, 0.3288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.8117, 0.2296, 0.3288.

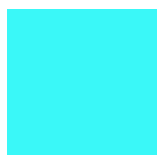


This preview shows how white text looks on a background with the Yxy color 74.8117, 0.2296, 0.3288.

# Color Blindness Simulation

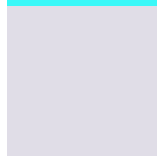
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



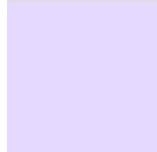
### Original Color

74.8117, 0.2296, 0.3288



### Protanopia

73.3297, 0.3083, 0.3183



### Deuteranopia

73.5037, 0.2965, 0.2899



## Tritanopia

74.4457, 0.2457, 0.3114

# Trichromacy



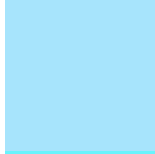
## Original Color

74.8117, 0.2296, 0.3288



## Protanomaly

71.1588, 0.2677, 0.3219



## Deuteranomaly

70.7306, 0.2612, 0.3016



## Tritanomaly

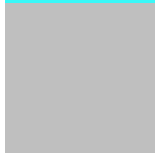
74.1327, 0.2379, 0.3181

# Monochromacy



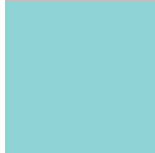
## Original Color

74.8117, 0.2296, 0.3288



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

57.6801, 0.2666, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.8117, 0.2296, 0.3288 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(58, 248, 248)` looks like.

```
.text, #text, p{  
    color:rgb(58, 248, 248)  
}
```

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(58, 248, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 248, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 74.8117, 0.2296, 0.3288 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(58, 248, 248) }
```

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

```
.border{ border-color:rgb(58, 248, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 248, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 248, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 248, 248);  
box-shadow:4px 4px 4px 4px rgb(58, 248,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.8117, 0.2296, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 248, 248) }
```

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

```
.background{ background-color: rgb(58, 248,  
248) }
```

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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