

# Converting Colors

$Y_{xy}(74.2909, 0.2290, 0.3287)$

Have a look what the booklet for  
Yxy(74.2909, 0.2290, 0.3287)  
contains.

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# Color

**Yxy(74.0212, 0.2290, 0.3288)**

# Conversions

## Conversions Part 1

Format	Color
Hex	36F7F7
RGB	54, 247, 247
RGB Percent	21%, 97%, 97%
CMY	0.7896, 0.0313, 0.0314
CMYK	0.78, 0.00, 0.00, 0.03
HSL	180°, 92%, 59%
HSV	180°, 78%, 97%
XYZ	51.5537, 74.0212, 99.5504
YIQ	189.2930, -115.0280, -40.9160

# Conversions

## Conversions Part 2

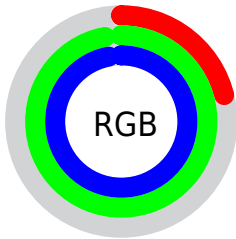
Format	Color
<b>RYB</b>	54, 151, 247
Decimal	3602423
CIELab	88.93, -44.53, -13.20
CIELCh	89, 46.444, 196.507
Yxy	74.0212, 0.2290, 0.3288
Android (android.graphics.Color)	4281792503 (0xFF36F7F7)
YUV	189.2930, 28.4496, -118.6520
Hunter-Lab	86.0356, -43.6026, -8.3786

# Details

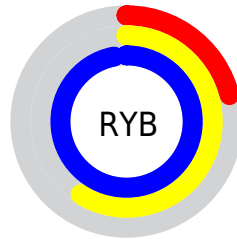
The Yxy color **74.0212, 0.2290, 0.3288** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.6476, 0.5872, 0.3298**, and the grayscale version is **50.8920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **40.5885, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **73.5095, 0.2261, 0.3288**, and if you desaturate by 10%, it is **74.8843, 0.2337, 0.3288**.

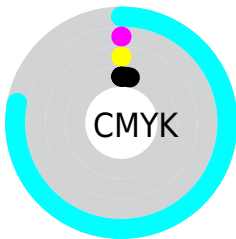
# Distribution



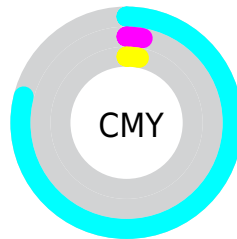
- Red (21%)
- Green (97%)
- Blue (97%)



- Red (21%)
- Yellow (59%)
- Blue (97%)



- Cyan (78%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)




- Cyan (79%)
- Magenta (3%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.0212, 0.2290, 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 74.0212, 0.2290, 0.3288 by changing the saturation by 10% instead.




 74.0212, 0.2290,  
0.3288

 74.0212, 0.2290,  
0.3288


474.5465, 0.2665,  
0.3301


 54.8114, 0.2208,  
0.3282


 124.9259, 0.2417,  
0.3295


 39.2507, 0.2109,  
0.3274


 157.3895, 0.2467,  
0.3297

 26.9548, 0.1986,  
0.3261


 195.0399, 0.2511,  
0.3298

 17.5393, 0.1831,  
0.3240

 238.2614, 0.2549,  
0.3299

 10.6197, 0.1631,  
0.3206

287.4384, 0.2583,  
0.3300

 5.8118, 0.1365,  
0.3145

342.9553, 0.2613,

 2.7310, 0.1005,

0.3300

405.1966, 0.2640,  
0.3301

0.3026

0.9929, 0.0000,  
0.2915

0.0000, 0.0000,  
0.0000

74.0212, 0.2290,  
0.3288

74.0212, 0.2290,  
0.3288

73.5095, 0.2261,  
0.3288

74.8843, 0.2337,  
0.3288


73.2761, 0.2248,  
0.3288

76.1368, 0.2404,  
0.3288


73.2486, 0.2247,  
0.3288


77.8207, 0.2490,  
0.3288


79.9704, 0.2595,  
0.3289

 82.6170, 0.2716,  
0.3289

 85.7888, 0.2852,  
0.3289

 89.5120, 0.2999,  
0.3290

 93.8110, 0.3154,  
0.3290

 94.5121, 0.3178,  
0.3290

# Harmonies

## Analogous

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



74.0212, 0.2668, 0.3849



74.0212, 0.2290, 0.3288



74.0212, 0.2131, 0.2793

# Triad

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



74.0212, 0.2290, 0.3288



74.0212, 0.2983, 0.2530



74.0212, 0.4114, 0.4031

# Complementary

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



74.0212, 0.2290, 0.3288



22.6476, 0.5872, 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.



74.0212, 0.4237, 0.3632



74.0212, 0.2290, 0.3288



74.0212, 0.3551, 0.2808

# Square

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



74.0212, 0.2290, 0.3288



74.0212, 0.2501, 0.2414



74.0212, 0.4028, 0.3198



74.0212, 0.3723, 0.4281



# Rectangle

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



74.0212, 0.2290, 0.3288



74.0212, 0.2155, 0.2570



74.0212, 0.4028, 0.3198



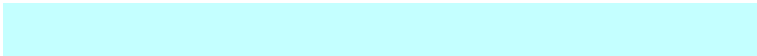
74.0212, 0.4190, 0.3908

# Sweetspot

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



74.0240, 0.2290, 0.3288



90.5220, 0.2786, 0.3289



67.6642, 0.3020, 0.5739



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.



74.0240, 0.2290, 0.3288



78.8409, 0.2252, 0.3288



30.4574, 0.1952, 0.1996



18.7578, 0.2981, 0.3290



38.7310, 0.2247, 0.3288



3.4041, 0.2247, 0.3288



# Inverse Universe

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



22.6476, 0.5872, 0.3298



21.6457, 0.6326, 0.3299



40.9440, 0.4989, 0.4129



16.4826, 0.3294, 0.3290



10.4580, 0.6401, 0.3300

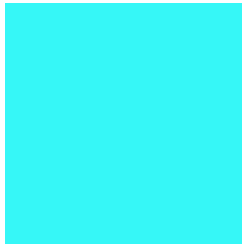


0.9192, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 74.0212, 0.2290, 0.3288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

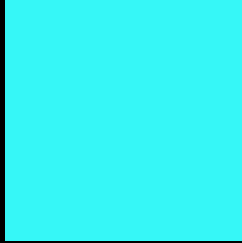
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.0212, 0.2290, 0.3288 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

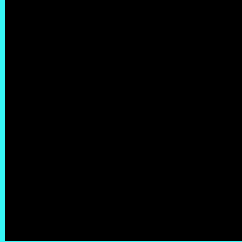
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.0212, 0.2290, 0.3288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.0212, 0.2290, 0.3288.



This preview shows how white text looks on a background with the Yxy color 74.0212, 0.2290, 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

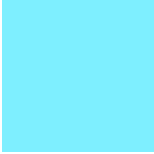
74.0212, 0.2290, 0.3288

### Protanopia

72.5875, 0.3083, 0.3183

### Deuteranopia

72.5984, 0.2958, 0.2897



## **Tritanopia**

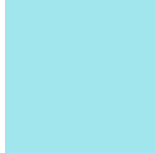
73.3886, 0.2431, 0.3101

# Trichromacy



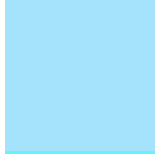
## Original Color

74.0212, 0.2290, 0.3288



## Protanomaly

70.2268, 0.2664, 0.3218



## Deuteranomaly

69.7957, 0.2599, 0.3014



## Tritanomaly

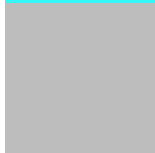
73.2419, 0.2361, 0.3168

# Monochromacy



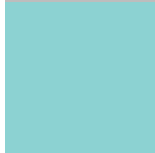
## Original Color

74.0212, 0.2290, 0.3288



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

56.3218, 0.2656, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.0212, 0.2290, 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(54, 247, 247)` looks like.

```
.text, #text, p{  
    color:rgb(54, 247, 247)  
}
```

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(54, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 247, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 74.0212, 0.2290, 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(54, 247, 247) }
```

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

```
.border{ border-color:rgb(54, 247, 247) }
```

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

Here you see how a box with a 4 pixel rgb(54, 247, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(54, 247,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.0212, 0.2290, 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(54, 247, 247) }
```

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

```
.background{ background-color: rgb(54, 247,  
247) }
```

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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