

# Converting Colors

$Yxy(74.0447, 0.2410, 0.3230)$

Have a look what the booklet for  
Yxy(74.0447, 0.2410, 0.3230)  
contains.

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# Color

**Yxy(74.1297, 0.2408, 0.3228)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DF3F8
RGB	109, 243, 248
RGB Percent	43%, 95%, 97%
CMY	0.5727, 0.0470, 0.0274
CMYK	0.56, 0.02, 0.00, 0.03
HSL	182°, 91%, 70%
HSV	182°, 56%, 97%
XYZ	55.2987, 74.1297, 100.2175
YIQ	203.5040, -81.4690, -26.8530

# Conversions

## Conversions Part 2

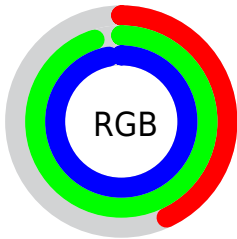
Format	Color
R <sub>Y</sub> B	109, 177, 248
Decimal	7205880
CIE Lab	88.98, -35.11, -13.54
CIE LCh	89, 37.627, 201.091
Yxy	74.1297, 0.2408, 0.3228
Android (android.graphics.Color)	4285395960 (0xFF6DF3F8)
YUV	203.5040, 21.9365, -82.8800
Hunter-Lab	86.0986, -36.0270, -8.7436

# Details

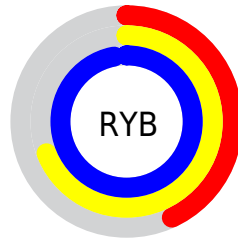
The Yxy color **74.1297, 0.2408, 0.3228** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.0926, 0.4801, 0.3345**, and the grayscale version is **59.9477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **39.1848, 0.2247, 0.3192** is the 20% darker color. If you saturate the color by 10%, you get **72.2419, 0.2333, 0.3216**, and if you desaturate by 10%, it is **76.4694, 0.2503, 0.3240**.

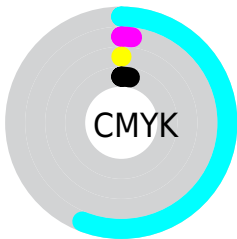
# Distribution



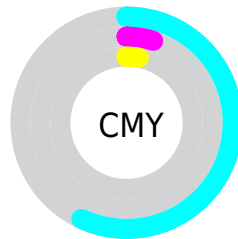
- Red (43%)
- Green (95%)
- Blue (97%)



- Red (43%)
- Yellow (69%)
- Blue (97%)



- Cyan (56%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)




- Cyan (57%)
- Magenta (5%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.1297, 0.2408, 0.3228 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 74.1297, 0.2408, 0.3228 by changing the saturation by 10% instead.




 74.1297, 0.2408,  
0.3228


 74.1297, 0.2408,  
0.3228


474.9209, 0.2731,  
0.3266


 54.9002, 0.2337,  
0.3217


 125.0796, 0.2518,  
0.3243

 39.3218, 0.2250,  
0.3203


 157.5689, 0.2561,  
0.3248

 27.0102, 0.2143,  
0.3183


 195.2468, 0.2599,  
0.3252

 17.5809, 0.2007,  
0.3155

238.4979, 0.2632,  
0.3256

 10.6495, 0.1829,  
0.3113

287.7064, 0.2661,  
0.3259

 5.8317, 0.1588,  
0.3043


343.2568, 0.2687,

 2.7430, 0.1252,

0.3262

0.2917


405.5335, 0.2710,  
0.3264


 0.9991, 0.0248,  
0.2809


 0.0000, 0.0000,  
0.0000


 74.1297, 0.2408,  
0.3228


 74.1297, 0.2408,  
0.3228


 72.2419, 0.2333,  
0.3216


 76.4694, 0.2503,  
0.3240


 70.7590, 0.2277,  
0.3203


 79.2864, 0.2615,  
0.3252


 69.6389, 0.2240,  
0.3191

 82.6141, 0.2742,  
0.3263

 68.8260, 0.2220,  
0.3180


 86.4808, 0.2883,  
0.3274


 68.5568, 0.2215,  
0.3175

 90.9123, 0.3033,  
0.3284

 95.4035, 0.3172,  
0.3294

 95.9560, 0.3171,  
0.3302

 96.5111, 0.3170,  
0.3311

 97.0688, 0.3170,  
0.3319

# Harmonies

## Analogous

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



74.1297, 0.2700, 0.3674



74.1297, 0.2408, 0.3228



74.1297, 0.2301, 0.2844

# Triad

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



74.1297, 0.2408, 0.3228



74.1297, 0.3083, 0.2688



74.1297, 0.3898, 0.3946

# Complementary

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



74.1297, 0.2408, 0.3228



33.0926, 0.4801, 0.3345

# 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.



74.1297, 0.4029, 0.3638



74.1297, 0.2408, 0.3228



74.1297, 0.3541, 0.2940

# Square

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



74.1297, 0.2408, 0.3228



74.1297, 0.2668, 0.2570



74.1297, 0.3897, 0.3277



74.1297, 0.3559, 0.4102

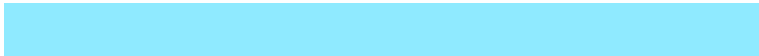


# Rectangle

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



74.1297, 0.2408, 0.3228



74.1297, 0.2340, 0.2673



74.1297, 0.3897, 0.3277



74.1297, 0.3969, 0.3855

# Sweetspot

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



74.1325, 0.2408, 0.3228



91.6916, 0.2869, 0.3273



71.6027, 0.3024, 0.5048



19.4407, 0.2840, 0.3271



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.



74.1325, 0.2408, 0.3228



76.7632, 0.2326, 0.3214



40.2435, 0.2215, 0.2324



19.4948, 0.2980, 0.3281



37.0738, 0.2216, 0.3177



3.4663, 0.2220, 0.3191



# Inverse Universe

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



37.3606, 0.3236, 0.2003



34.4534, 0.3256, 0.1824



54.9828, 0.4316, 0.4060



17.5131, 0.3144, 0.3065



14.1535, 0.3302, 0.1592

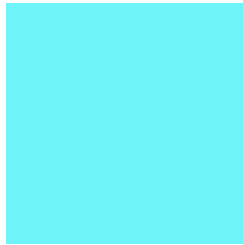


1.3142, 0.3290, 0.1586



# Previews

## White Background



This preview shows how the Yxy color 74.1297, 0.2408, 0.3228 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

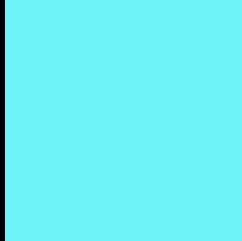
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.1297, 0.2408, 0.3228 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

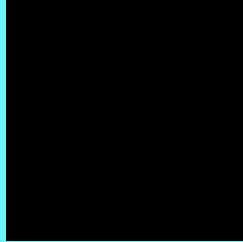
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.1297, 0.2408, 0.3228**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.1297, 0.2408, 0.3228.

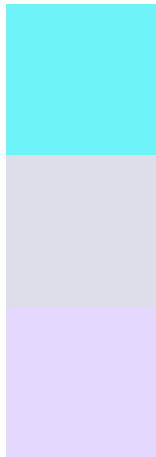


This preview shows how white text looks on a background with the Yxy color 74.1297, 0.2408, 0.3228.

# 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

74.1297, 0.2408, 0.3228

### Protanopia

73.1830, 0.3050, 0.3151

### Deuteranopia

72.7615, 0.2965, 0.2898



## Tritanopia

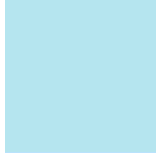
73.7723, 0.2477, 0.3092

# Trichromacy



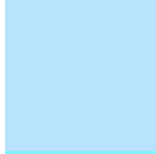
## Original Color

74.1297, 0.2408, 0.3228



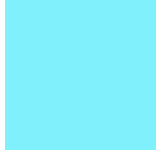
## Protanomaly

72.0944, 0.2760, 0.3176



## Deuteranomaly

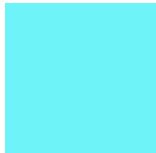
71.7353, 0.2710, 0.3001



## Tritanomaly

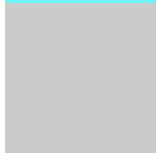
73.8605, 0.2450, 0.3147

# Monochromacy



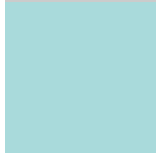
## Original Color

74.1297, 0.2408, 0.3228



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

63.6923, 0.2790, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.1297, 0.2408, 0.3228 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(109, 243, 248)` looks like.

```
.text, #text, p{  
    color:rgb(109, 243, 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(109, 243, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 243, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 74.1297, 0.2408, 0.3228 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(109, 243, 248) }
```

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

```
.border{ border-color:rgb(109, 243, 248) }
```

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

Here you see how a box with a 4 pixel rgb(109, 243, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 243, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 243, 248);  
box-shadow:4px 4px 4px 4px rgb(109, 243,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.1297, 0.2408, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 243, 248) }
```

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

```
.background{ background-color: rgb(109,  
243, 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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