

# Converting Colors

$Yxy(73.2348, 0.2488, 0.3251)$

Have a look what the booklet for  
Yxy(73.2348, 0.2488, 0.3251)  
contains.

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# Color

**Yxy(73.3033, 0.2489, 0.3252)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FF0F3
RGB	127, 240, 243
RGB Percent	50%, 94%, 95%
CMY	0.5015, 0.0589, 0.0470
CMYK	0.48, 0.01, 0.00, 0.05
HSL	182°, 83%, 73%
HSV	182°, 48%, 95%
XYZ	56.1045, 73.3033, 96.0021
YIQ	206.5550, -68.3110, -23.0230

# Conversions

## Conversions Part 2

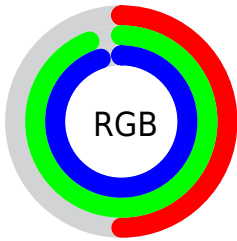
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">127, 184, 243</a>
Decimal	<a href="#">8384755</a>
CIELab	<a href="#">88.59, -31.40, -11.45</a>
CIElCh	<a href="#">89, 33.423, 200.032</a>
Yxy	<a href="#">73.3033, 0.2489, 0.3252</a>
Android (android.graphics.Color)	<a href="#">4286574835 (0xFF7FF0F3)</a>
YUV	<a href="#">206.5550, 17.9674, -69.7697</a>
Hunter-Lab	<a href="#">85.6173, -32.8604, -6.5493</a>

# Details

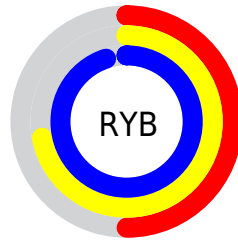
The Yxy color **73.3033, 0.2489, 0.3252** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.5982, 0.4437, 0.3327**, and the grayscale version is **62.0302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **38.9588, 0.2348, 0.3240** is the 20% darker color. If you saturate the color by 10%, you get **71.2839, 0.2399, 0.3243**, and if you desaturate by 10%, it is **75.7797, 0.2597, 0.3261**.

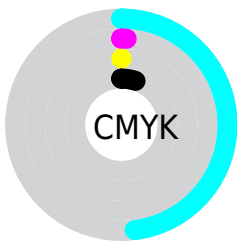
# Distribution



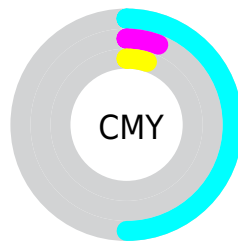
- Red (50%)
- Green (94%)
- Blue (95%)



- Red (50%)
- Yellow (72%)
- Blue (95%)



- Cyan (48%)
- Magenta (1%)
- Yellow (0%)
- Black (5%)




- Cyan (50%)
- Magenta (6%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3033, 0.2489, 0.3252 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 73.3033, 0.2489, 0.3252 by changing the saturation by 10% instead.




 73.3033, 0.2489,  
0.3252


 73.3033, 0.2489,  
0.3252


472.0653, 0.2778,  
0.3277

 54.2240, 0.2425,  
0.3245


 123.9077, 0.2588,  
0.3262

 38.7808, 0.2347,  
0.3235


 156.2016, 0.2626,  
0.3265

 26.5892, 0.2249,  
0.3221


 193.6691, 0.2660,  
0.3268

 17.2650, 0.2125,  
0.3201

236.6947, 0.2689,  
0.3271

 10.4236, 0.1960,  
0.3170

285.6627, 0.2715,  
0.3273

 5.6807, 0.1735,  
0.3117

340.9575, 0.2738,

 2.6519, 0.1412,

0.3274

402.9636, 0.2759,  
0.3276

0.3020

0.9528, 0.0428,  
0.2963

0.0000, 0.0000,  
0.0000

73.3033, 0.2489,  
0.3252

73.3033, 0.2489,  
0.3252

71.2839, 0.2399,  
0.3243

75.7797, 0.2597,  
0.3261

69.6803, 0.2328,  
0.3234


78.7343, 0.2722,  
0.3269

68.4577, 0.2276,  
0.3225


82.1970, 0.2860,  
0.3277


67.5724, 0.2243,  
0.3217

86.1928, 0.3008,  
0.3285


 66.9653, 0.2227,  
0.3208


 90.7452, 0.3164,  
0.3292

 66.8444, 0.2224,  
0.3206

 92.3163, 0.3205,  
0.3298

 92.6994, 0.3204,  
0.3304

 93.0839, 0.3204,  
0.3310

 93.4696, 0.3203,  
0.3316

# Harmonies

## Analogous

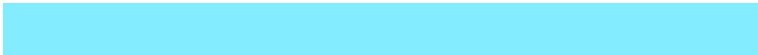
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.3033, 0.2759, 0.3644



73.3033, 0.2489, 0.3252



73.3033, 0.2385, 0.2905

# Triad

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



73.3033, 0.2489, 0.3252



73.3033, 0.3076, 0.2741



73.3033, 0.3824, 0.3873

# Complementary

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



73.3033, 0.2489, 0.3252



36.5982, 0.4437, 0.3327

# 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.



73.3033, 0.3930, 0.3597



73.3033, 0.2489, 0.3252



73.3033, 0.3483, 0.2966

# Square

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



73.3033, 0.2489, 0.3252



73.3033, 0.2706, 0.2641



73.3033, 0.3804, 0.3271



73.3033, 0.3529, 0.4011

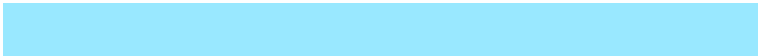


# Rectangle

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



73.3033, 0.2489, 0.3252



73.3033, 0.2416, 0.2745



73.3033, 0.3804, 0.3271



73.3033, 0.3884, 0.3791

# Sweetspot

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



73.3061, 0.2489, 0.3252



93.2518, 0.2913, 0.3280



70.2212, 0.3047, 0.4777



19.7602, 0.2881, 0.3278



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.



73.3061, 0.2489, 0.3252



79.6290, 0.2403, 0.3244



44.9160, 0.2353, 0.2522



18.6790, 0.2981, 0.3283



36.7122, 0.2224, 0.3208



3.2498, 0.2227, 0.3218



# Inverse Universe

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



40.5571, 0.3209, 0.2158



39.3138, 0.3225, 0.1974



56.1342, 0.4109, 0.3937



16.7604, 0.3142, 0.3063



13.8055, 0.3276, 0.1578

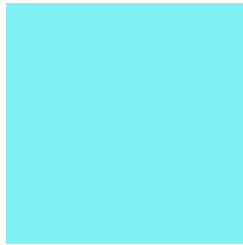


1.2157, 0.3267, 0.1573



# Previews

## White Background



This preview shows how the Yxy color 73.3033, 0.2489, 0.3252 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

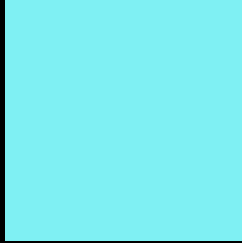
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.3033, 0.2489, 0.3252 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

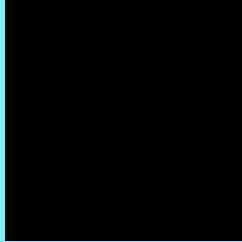
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.3033, 0.2489, 0.3252**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.3033, 0.2489, 0.3252.

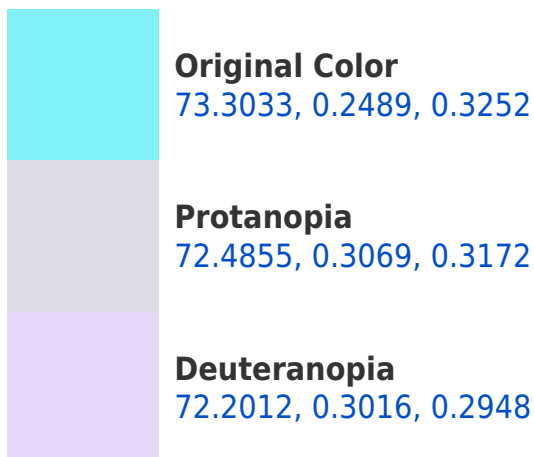


This preview shows how white text looks on a background with the Yxy color 73.3033, 0.2489, 0.3252.

# 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





## Tritanopia

73.2773, 0.2479, 0.3080

# Trichromacy



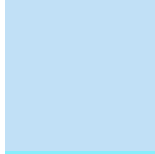
## Original Color

73.3033, 0.2489, 0.3252



## Protanomaly

71.5011, 0.2816, 0.3199



## Deuteranomaly

71.3026, 0.2789, 0.3046



## Tritanomaly

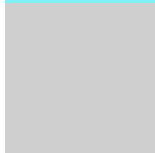
73.2650, 0.2482, 0.3136

# Monochromacy



## Original Color

73.3033, 0.2489, 0.3252



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

65.2953, 0.2841, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.3033, 0.2489, 0.3252 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(127, 240, 243)` looks like.

```
.text, #text, p{  
    color:rgb(127, 240, 243)  
}
```

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(127, 240, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 240, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 73.3033, 0.2489, 0.3252 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(127, 240, 243) }
```

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

```
.border{ border-color:rgb(127, 240, 243) }
```

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

Here you see how a box with a 4 pixel rgb(127, 240, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 240, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 240, 243);  
box-shadow:4px 4px 4px 4px rgb(127, 240,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.3033, 0.2489, 0.3252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 240, 243) }
```

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

```
.background{ background-color: rgb(127,  
240, 243) }
```

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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