

# Converting Colors

$Y_{xy}(73.8680, 0.2269, 0.3287)$

Have a look what the booklet for  
Yxy(73.8680, 0.2269, 0.3287)  
contains.

<b>Yxy(73.6490, 0.2270, 0.3287)</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(73.6490, 0.2270, 0.3287)**

# Conversions

## Conversions Part 1

Format	Color
Hex	26F7F7
RGB	38, 247, 247
RGB Percent	15%, 97%, 97%
CMY	0.8494, 0.0314, 0.0313
CMYK	0.84, 0.00, 0.00, 0.03
HSL	180°, 93%, 56%
HSV	180°, 84%, 97%
XYZ	50.8620, 73.6490, 99.5505
YIQ	184.5090, -124.5640, -44.3080

# Conversions

## Conversions Part 2

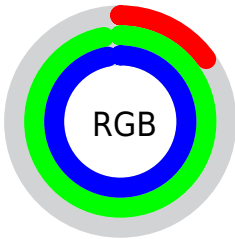
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	38, 143, 247
Decimal	2553847
CIE Lab	88.76, -45.60, -13.50
CIE LCh	89, 47.559, 196.491
Yxy	73.6490, 0.2270, 0.3287
Android (android.graphics.Color)	4280743927 (0xFF26F7F7)
YUV	184.5090, 30.8081, -128.4884
Hunter-Lab	85.8190, -44.3925, -8.7034

# Details

The Yxy color **73.6490, 0.2270, 0.3287** 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 **21.3357, 0.6097, 0.3299**, and the grayscale version is **48.1742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2520, 0.2471, 0.3288**, and **40.5885, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **73.3203, 0.2252, 0.3287**, and if you desaturate by 10%, it is **74.2948, 0.2306, 0.3287**.

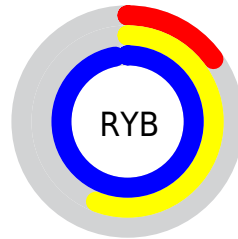
# Distribution



Red (15%)

Green (97%)

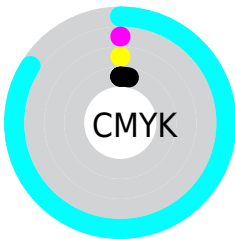
Blue (97%)



Red (15%)

Yellow (56%)

Blue (97%)

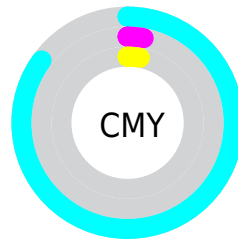


Cyan (84%)

Magenta (0%)

Yellow (0%)

Black (3%)



Cyan (85%)

Magenta (3%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.6490, 0.2270, 0.3287 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 73.6490, 0.2270, 0.3287 by changing the saturation by 10% instead.




 73.6490, 0.2270,  
0.3287

 73.6490, 0.2270,  
0.3287


473.2611, 0.2653,  
0.3301


 54.5068, 0.2186,  
0.3281


 124.3981, 0.2400,  
0.3294


 39.0070, 0.2085,  
0.3272


 156.7738, 0.2452,  
0.3296

 26.7652, 0.1959,  
0.3258


 194.3295, 0.2496,  
0.3298

 17.3969, 0.1801,  
0.3236

 237.4495, 0.2536,  
0.3299

 10.5179, 0.1597,  
0.3200

286.5183, 0.2570,  
0.3300

 5.7437, 0.1327,  
0.3135

341.9202, 0.2601,

 2.6898, 0.0963,

0.3300

404.0397, 0.2629,  
0.3301

0.3009

0.9720, 0.0000,  
0.2871

0.0000, 0.0000,  
0.0000

73.6490, 0.2270,  
0.3287

73.6490, 0.2270,  
0.3287

73.3203, 0.2252,  
0.3287

74.2948, 0.2306,  
0.3287

73.2279, 0.2246,  
0.3287

75.3026, 0.2360,  
0.3287

76.7181, 0.2434,  
0.3288

78.5788, 0.2528,  
0.3288

80.9176, 0.2639,  
0.3288

83.7643, 0.2766,  
0.3289

87.1465, 0.2907,  
0.3289

91.0897, 0.3058,  
0.3290

94.5161, 0.3178,  
0.3290

# Harmonies

## Analogous

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



73.6490, 0.2657, 0.3865



73.6490, 0.2270, 0.3287



73.6490, 0.2108, 0.2780

# Triad

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



73.6490, 0.2270, 0.3287



73.6490, 0.2978, 0.2512



73.6490, 0.4138, 0.4047

# Complementary

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



73.6490, 0.2270, 0.3287



21.3357, 0.6097, 0.3299

# 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.



73.6490, 0.4265, 0.3637



73.6490, 0.2270, 0.3287



73.6490, 0.3561, 0.2797

# Square

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



73.6490, 0.2270, 0.3287



73.6490, 0.2485, 0.2394



73.6490, 0.4051, 0.3194



73.6490, 0.3736, 0.4306



# Rectangle

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



73.6490, 0.2270, 0.3287



73.6490, 0.2132, 0.2552



73.6490, 0.4051, 0.3194



73.6490, 0.4216, 0.3921

# Sweetspot

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



73.6517, 0.2270, 0.3287



89.8416, 0.2759, 0.3289



67.0998, 0.3007, 0.5858



18.9881, 0.2712, 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.



73.6517, 0.2270, 0.3287



78.7113, 0.2246, 0.3287



26.6955, 0.1878, 0.1831



18.7573, 0.2981, 0.3290



38.7187, 0.2246, 0.3287



3.4032, 0.2246, 0.3287



# Inverse Universe

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



27.9056, 0.3207, 0.1602



28.4771, 0.3210, 0.1542



39.4802, 0.5110, 0.4160



16.7683, 0.3138, 0.3057



14.0081, 0.3210, 0.1542

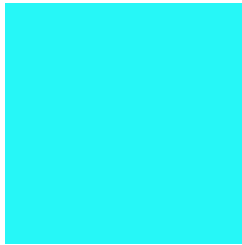


1.2312, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 73.6490, 0.2270, 0.3287 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

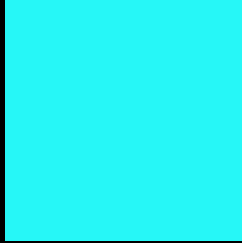
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.6490, 0.2270, 0.3287 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

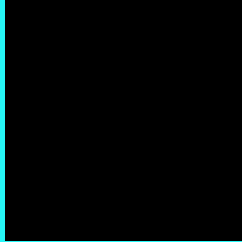
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

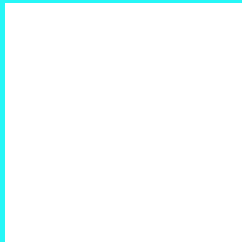
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.6490, 0.2270, 0.3287**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.6490, 0.2270, 0.3287.

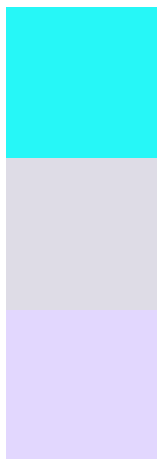


This preview shows how white text looks on a background with the Yxy color 73.6490, 0.2270, 0.3287.

# 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

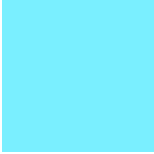
73.6490, 0.2270, 0.3287

### Protanopia

72.4292, 0.3076, 0.3183

### Deuteranopia

71.9254, 0.2951, 0.2886



## **Tritanopia**

73.0906, 0.2415, 0.3100

# Trichromacy



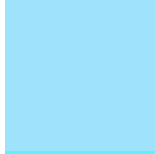
## Original Color

73.6490, 0.2270, 0.3287



## Protanomaly

69.6183, 0.2632, 0.3218



## Deuteranomaly

69.1723, 0.2568, 0.3012



## Tritanomaly

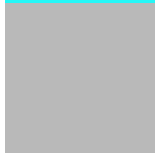
72.8078, 0.2338, 0.3167

# Monochromacy



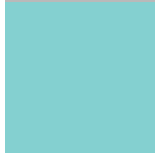
## Original Color

73.6490, 0.2270, 0.3287



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

54.5714, 0.2619, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.6490, 0.2270, 0.3287 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(38, 247, 247)` looks like.

```
.text, #text, p{  
    color:rgb(38, 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(38, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 247, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 73.6490, 0.2270, 0.3287 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(38, 247, 247) }
```

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

```
.border{ border-color:rgb(38, 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(38, 247, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(38, 247,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.6490, 0.2270, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 247, 247) }
```

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

```
.background{ background-color: rgb(38, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor