

# Converting Colors

$Y_{xy}(73.3121, 0.2516, 0.3789)$

Have a look what the booklet for  
Yxy(73.3121, 0.2516, 0.3789)  
contains.

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# Color

**Yxy(73.0540, 0.2515, 0.3790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56F7D0
RGB	86, 247, 208
RGB Percent	34%, 97%, 82%
CMY	0.6631, 0.0313, 0.1843
CMYK	0.65, 0.00, 0.16, 0.03
HSL	165°, 91%, 65%
HSV	165°, 65%, 97%
XYZ	48.4778, 73.0540, 71.2228
YIQ	194.4150, -83.4370, -46.2610

# Conversions

## Conversions Part 2

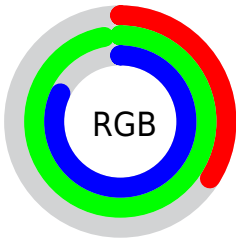
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	86, 178, 247
Decimal	5699536
CIE <sub>Lab</sub>	88.47, -50.83, 6.51
CIE <sub>LCh</sub>	88, 51.243, 172.698
Y <sub>xy</sub>	73.0540, 0.2515, 0.3790
Android (android.graphics.Color)	4283889616 (0xFF56F7D0)
YUV	194.4150, 6.6974, -95.0800
Hunter-Lab	85.4716, -48.3338, 10.4243

# Details

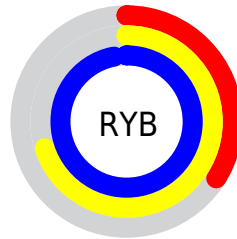
The Yxy color **73.0540, 0.2515, 0.3790** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **27.8966, 0.4745, 0.2917**, and the grayscale version is **54.1918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **39.1600, 0.2418, 0.3906** is the 20% darker color. If you saturate the color by 10%, you get **71.7925, 0.2479, 0.3881**, and if you desaturate by 10%, it is **74.7371, 0.2570, 0.3701**.

# Distribution



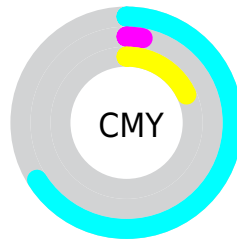
- Red (34%)
- Green (97%)
- Blue (82%)



- Red (34%)
- Yellow (70%)
- Blue (97%)



- Cyan (65%)
- Magenta (0%)
- Yellow (16%)
- Black (3%)




- Cyan (66%)
- Magenta (3%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0540, 0.2515, 0.3790 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 73.0540, 0.2515, 0.3790 by changing the saturation by 10% instead.




 73.0540, 0.2515,  
0.3790


 73.0540, 0.2515,  
0.3790


471.2019, 0.2799,  
0.3553


 54.0201, 0.2450,  
0.3845


 123.5539, 0.2614,  
0.3707

 38.6177, 0.2370,  
0.3915


 155.7886, 0.2652,  
0.3675

 26.4625, 0.2269,  
0.4003


 193.1925, 0.2685,  
0.3647

 17.1699, 0.2137,  
0.4120

 236.1499, 0.2714,  
0.3623

 10.3557, 0.1958,  
0.4283

285.0451, 0.2739,  
0.3602

 5.6355, 0.1706,  
0.4522


340.2626, 0.2761,

 2.6247, 0.1315,


0.3584

0.4910


402.1867, 0.2781,  
0.3568


 0.9391, 0.0000,  
0.6239


 0.0000, 0.0000,  
0.0000


 73.0540, 0.2515,  
0.3790


 73.0540, 0.2515,  
0.3790


 71.7925, 0.2479,  
0.3881


 74.7371, 0.2570,  
0.3701


 70.9000, 0.2464,  
0.3972


 76.8709, 0.2644,  
0.3615


 70.3254, 0.2467,  
0.4062


 79.4917, 0.2733,  
0.3533


 70.1247, 0.2474,  
0.4105

 82.6296, 0.2834,  
0.3456

 86.3125, 0.2946,  
0.3386

 90.5660, 0.3064,  
0.3321

 94.6821, 0.3161,  
0.3263

 95.0081, 0.3131,  
0.3214

# Harmonies

## Analogous

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



73.0540, 0.3066, 0.4288



73.0540, 0.2515, 0.3790



73.0540, 0.2150, 0.3155

# Triad

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



73.0540, 0.2515, 0.3790



73.0540, 0.2531, 0.2341



73.0540, 0.4356, 0.3752

# Complementary

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



73.0540, 0.2515, 0.3790



27.8966, 0.4745, 0.2917

# 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.



73.0540, 0.4204, 0.3278



73.0540, 0.2515, 0.3790



73.0540, 0.3091, 0.2508

# Square

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



73.0540, 0.2515, 0.3790



73.0540, 0.2164, 0.2378



73.0540, 0.3720, 0.2840



73.0540, 0.4143, 0.4175



# Rectangle

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



73.0540, 0.2515, 0.3790



73.0540, 0.2043, 0.2793



73.0540, 0.3720, 0.2840



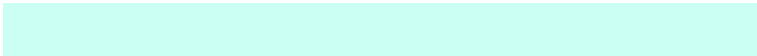
73.0540, 0.4348, 0.3595

# Sweetspot

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



73.0569, 0.2515, 0.3790



90.8074, 0.2891, 0.3419



71.6486, 0.3215, 0.5286



19.2024, 0.2860, 0.3439



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.



73.0569, 0.2515, 0.3790



76.8609, 0.2473, 0.3907



53.1886, 0.2232, 0.2769



18.6852, 0.3013, 0.3348



37.1065, 0.2470, 0.4090



3.2773, 0.2438, 0.3977



# Inverse Universe

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



27.8966, 0.4745, 0.2917



25.1028, 0.5258, 0.2922



35.4166, 0.4947, 0.3687



16.5483, 0.3255, 0.3233



10.6479, 0.5956, 0.3054

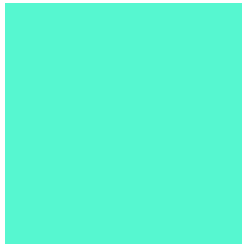


0.9514, 0.5608, 0.2863



# Previews

## White Background



This preview shows how the Yxy color 73.0540, 0.2515, 0.3790 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

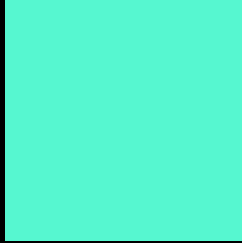
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.0540, 0.2515, 0.3790 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

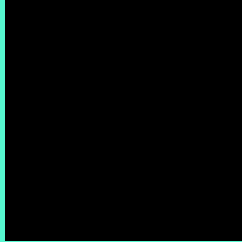
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.0540, 0.2515, 0.3790**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.0540, 0.2515, 0.3790.

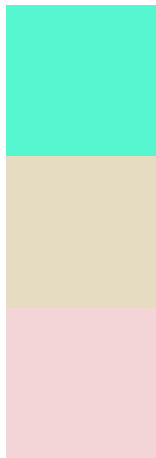


This preview shows how white text looks on a background with the Yxy color 73.0540, 0.2515, 0.3790.

# 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

73.0540, 0.2515, 0.3790

### Protanopia

71.9044, 0.3378, 0.3574

### Deuteranopia

71.5495, 0.3337, 0.3270



## Tritanopia

72.9583, 0.2436, 0.3090

# Trichromacy



## Original Color

73.0540, 0.2515, 0.3790



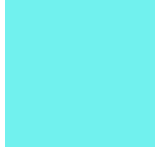
## Protanomaly

70.1821, 0.2971, 0.3661



## Deuteranomaly

69.0430, 0.2944, 0.3442



## Tritanomaly

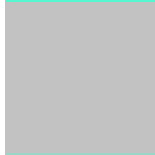
72.5944, 0.2459, 0.3324

# Monochromacy



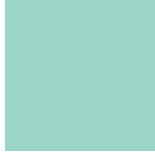
## Original Color

73.0540, 0.2515, 0.3790



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

58.6806, 0.2815, 0.3469

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0540, 0.2515, 0.3790 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(86, 247, 208)` looks like.

```
.text, #text, p{  
    color:rgb(86, 247, 208)  
}
```

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(86, 247, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 247, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0540, 0.2515, 0.3790 is called "border". The border property can be set on classes, ids or directly on the HTML element.

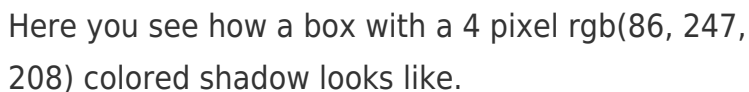
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 247, 208) }
```

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

```
.border{ border-color:rgb(86, 247, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(86, 247, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 247, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 247, 208);  
box-shadow:4px 4px 4px 4px rgb(86, 247,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.0540, 0.2515, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 247, 208) }
```

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

```
.background{ background-color: rgb(86, 247,  
208) }
```

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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