

# Converting Colors

$Yxy(66.2672, 0.2479, 0.3929)$

Have a look what the booklet for  
Yxy(66.2672, 0.2479, 0.3929)  
contains.

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# Color

**Yxy(66.2688, 0.2480, 0.3932)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34EFC0
RGB	52, 239, 192
RGB Percent	20%, 94%, 75%
CMY	0.7962, 0.0627, 0.2470
CMYK	0.78, 0.00, 0.20, 0.06
HSL	165°, 85%, 57%
HSV	165°, 78%, 94%
XYZ	41.7972, 66.2688, 60.4711
YIQ	177.7290, -96.3650, -54.2610

# Conversions

## Conversions Part 2

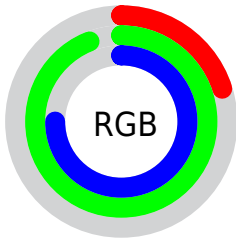
Format	Color
<b>RYB</b>	52, 159, 239
Decimal	3469248
CIELab	85.13, -55.70, 9.97
CIELCh	85, 56.581, 169.850
Yxy	66.2688, 0.2480, 0.3932
Android (android.graphics.Color)	4281659328 (0xFF34EFC0)
YUV	177.7290, 7.0356, -110.2643
Hunter-Lab	81.4057, -50.8102, 12.9412

# Details

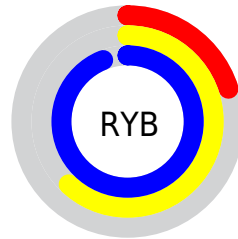
The Yxy color **66.2688, 0.2480, 0.3932** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **21.7033, 0.5231, 0.2906**, and the grayscale version is **44.3660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8865, 0.2504, 0.3369**, and **35.3200, 0.2463, 0.4068** is the 20% darker color. If you saturate the color by 10%, you get **65.5294, 0.2471, 0.4027**, and if you desaturate by 10%, it is **67.3448, 0.2509, 0.3837**.

# Distribution



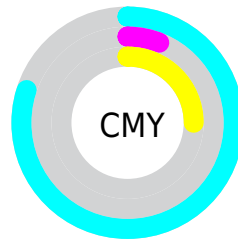
- Red (20%)
- Green (94%)
- Blue (75%)



- Red (20%)
- Yellow (62%)
- Blue (94%)



- Cyan (78%)
- Magenta (0%)
- Yellow (20%)
- Black (6%)




- Cyan (80%)
- Magenta (6%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2688, 0.2480, 0.3932 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 66.2688, 0.2480, 0.3932 by changing the saturation by 10% instead.




 66.2688, 0.2480,  
0.3932


 66.2688, 0.2480,  
0.3932


447.3376, 0.2788,  
0.3619


 48.4906, 0.2408,  
0.4008

 113.8720, 0.2588,  
0.3820

 34.2156, 0.2318,  
0.4103


 144.4659, 0.2630,  
0.3777

 23.0593, 0.2202,  
0.4228


 180.1005, 0.2666,  
0.3741

 14.6373, 0.2050,  
0.4397

 221.1602, 0.2697,  
0.3710

 8.5652, 0.1840,  
0.4638

268.0293, 0.2724,  
0.3683

 4.4587, 0.1535,  
0.5006

321.0923, 0.2748,

 1.9333, 0.0705,

0.3659

380.7336, 0.2769,  
0.3638

0.5854

0.5683, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

66.2688, 0.2480,  
0.3932

66.2688, 0.2480,  
0.3932

65.5294, 0.2471,  
0.4027

67.3448, 0.2509,  
0.3837


65.0585, 0.2480,  
0.4120

68.7923, 0.2558,  
0.3744


64.9892, 0.2482,  
0.4136


70.6501, 0.2625,  
0.3654


72.9502, 0.2709,  
0.3567

 75.7213, 0.2806,  
0.3486

 78.9895, 0.2914,  
0.3411

 82.7792, 0.3029,  
0.3342

 87.1131, 0.3148,  
0.3280

 89.6525, 0.3189,  
0.3222

# Harmonies

## Analogous

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



66.2688, 0.3111, 0.4478



66.2688, 0.2480, 0.3932



66.2688, 0.2053, 0.3192

# Triad

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



66.2688, 0.2480, 0.3932



66.2688, 0.2402, 0.2221



66.2688, 0.4526, 0.3742

# Complementary

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



66.2688, 0.2480, 0.3932



21.7033, 0.5231, 0.2906

# 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.



66.2688, 0.4318, 0.3216



66.2688, 0.2480, 0.3932



66.2688, 0.3015, 0.2388

# Square

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



66.2688, 0.2480, 0.3932



66.2688, 0.2021, 0.2279



66.2688, 0.3735, 0.2740



66.2688, 0.4309, 0.4236



# Rectangle

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



66.2688, 0.2480, 0.3932



66.2688, 0.1920, 0.2768



66.2688, 0.3735, 0.2740



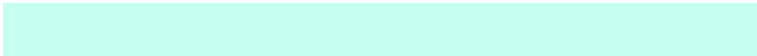
66.2688, 0.4506, 0.3565

# Sweetspot

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



66.2714, 0.2480, 0.3932



89.6101, 0.2861, 0.3446



64.7983, 0.3198, 0.5608



18.8940, 0.2822, 0.3474



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.



66.2714, 0.2480, 0.3932



75.5550, 0.2475, 0.4084



46.1530, 0.2135, 0.2693



17.8572, 0.3014, 0.3350



35.9352, 0.2478, 0.4121



3.0053, 0.2444, 0.3998



# Inverse Universe

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



21.7033, 0.5231, 0.2906



22.1251, 0.5802, 0.3006



26.8923, 0.5487, 0.3656



15.8240, 0.3254, 0.3231



10.3392, 0.5925, 0.3038

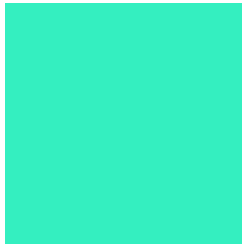


0.8756, 0.5556, 0.2834



# Previews

## White Background



This preview shows how the Yxy color 66.2688, 0.2480, 0.3932 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

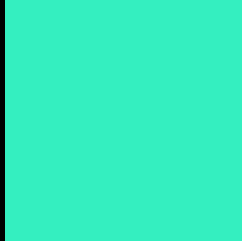
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.2688, 0.2480, 0.3932 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 66.2688, 0.2480, 0.3932**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.2688, 0.2480, 0.3932.

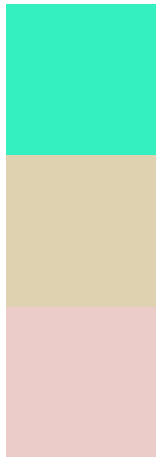


This preview shows how white text looks on a background with the Yxy color 66.2688, 0.2480, 0.3932.

# 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

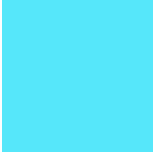
66.2688, 0.2480, 0.3932

### Protanopia

64.7971, 0.3457, 0.3665

### Deuteranopia

65.0180, 0.3399, 0.3334



## **Tritanopia**

66.0324, 0.2297, 0.3053

# Trichromacy



## Original Color

66.2688, 0.2480, 0.3932



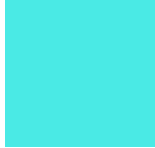
## Protanomaly

62.5639, 0.2955, 0.3789



## Deuteranomaly

61.9818, 0.2915, 0.3539



## Tritanomaly

65.9586, 0.2358, 0.3352

# Monochromacy



## Original Color

66.2688, 0.2480, 0.3932



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

49.6330, 0.2752, 0.3528

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.2688, 0.2480, 0.3932 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(52, 239, 192)` looks like.

```
.text, #text, p{  
    color:rgb(52, 239, 192)  
}
```

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(52, 239, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 239, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 66.2688, 0.2480, 0.3932 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(52, 239, 192) }
```

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

```
.border{ border-color:rgb(52, 239, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 239, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 239, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 239, 192);  
box-shadow:4px 4px 4px 4px rgb(52, 239,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.2688, 0.2480, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 239, 192) }
```

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

```
.background{ background-color: rgb(52, 239,  
192) }
```

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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