

# Converting Colors

$Y_{xy}(75.3289, 0.2553, 0.4205)$

Have a look what the booklet for  
Yxy(75.3289, 0.2553, 0.4205)  
contains.

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# Color

**Yxy(75.1165, 0.2552, 0.4203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34FEB9
RGB	52, 254, 185
RGB Percent	20%, 100%, 73%
CMY	0.7966, 0.0039, 0.2745
CMYK	0.80, 0.00, 0.27, 0.00
HSL	160°, 99%, 60%
HSV	160°, 80%, 100%
XYZ	45.6096, 75.1165, 57.9950
YIQ	185.7360, -98.2430, -64.2830

# Conversions

## Conversions Part 2

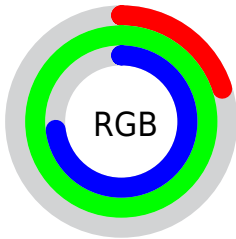
Format	Color
<a href="#">RYB</a>	<a href="#">52, 174, 254</a>
Decimal	<a href="#">3473081</a>
CIELab	<a href="#">89.45, -63.07, 19.68</a>
CIELCh	<a href="#">89, 66.066, 162.665</a>
Yxy	<a href="#">75.1165, 0.2552, 0.4203</a>
Android (android.graphics.Color)	<a href="#">4281663161 (0xFF34FEB9)</a>
YUV	<a href="#">185.7360, -0.3628, -117.2865</a>
Hunter-Lab	<a href="#">86.6698, -57.7372, 20.9950</a>

# Details

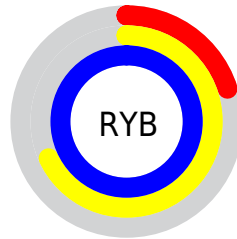
The Yxy color **75.1165, 0.2552, 0.4203** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **24.8940, 0.5011, 0.2739**, and the grayscale version is **48.9702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6962, 0.2545, 0.3451**, and **41.1458, 0.2555, 0.4398** is the 20% darker color. If you saturate the color by 10%, you get **74.2636, 0.2554, 0.4336**, and if you desaturate by 10%, it is **76.3594, 0.2570, 0.4070**.

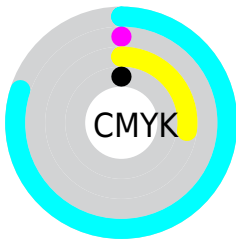
# Distribution



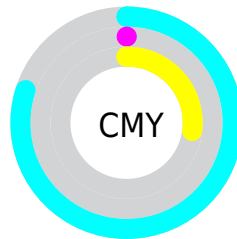
- Red (20%)
- Green (100%)
- Blue (73%)



- Red (20%)
- Yellow (68%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.1165, 0.2552, 0.4203 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 75.1165, 0.2552, 0.4203 by changing the saturation by 10% instead.




 75.1165, 0.2552,  
0.4203


 75.1165, 0.2552,  
0.4203


478.3179, 0.2828,  
0.3757


 55.7083, 0.2487,  
0.4310


 126.4773, 0.2649,  
0.4044

 39.9691, 0.2406,  
0.4446


 159.1986, 0.2687,  
0.3983

 27.5145, 0.2301,  
0.4622


 197.1266, 0.2719,  
0.3932

 17.9600, 0.2162,  
0.4860

 240.6454, 0.2746,  
0.3887

 10.9213, 0.1970,  
0.5197

290.1396, 0.2771,  
0.3848

 6.0139, 0.1690,  
0.5703


345.9934, 0.2792,

 2.8535, 0.1171,


0.3814


0.6593


408.5914, 0.2811,  
0.3784


 1.0558, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 75.1165, 0.2552,  
0.4203


 75.1165, 0.2552,  
0.4203


 74.2636, 0.2554,  
0.4336


 76.3594, 0.2570,  
0.4070

 73.7114, 0.2574,  
0.4465


 78.0346, 0.2609,  
0.3938


 73.6911, 0.2575,  
0.4471

 80.1885, 0.2666,  
0.3810

 82.8589, 0.2740,  
0.3688

 86.0797, 0.2826,  
0.3574

 89.8820, 0.2922,  
0.3469

 94.2944, 0.3025,  
0.3373

99.3297, 0.3131,  
0.3287

99.3700, 0.3128,  
0.3281

# Harmonies

## Analogous

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



75.1165, 0.3277, 0.4706



75.1165, 0.2552, 0.4203



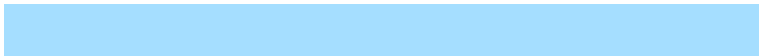
75.1165, 0.2022, 0.3366

# Triad

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



75.1165, 0.2552, 0.4203



75.1165, 0.2198, 0.2105



75.1165, 0.4678, 0.3629

# Complementary

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



75.1165, 0.2552, 0.4203



24.8940, 0.5011, 0.2739

# 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.



75.1165, 0.4335, 0.3064



75.1165, 0.2552, 0.4203



75.1165, 0.2815, 0.2234

# Square

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



75.1165, 0.2552, 0.4203



75.1165, 0.1852, 0.2226



75.1165, 0.3612, 0.2574



75.1165, 0.4530, 0.4197



# Rectangle

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



75.1165, 0.2552, 0.4203



75.1165, 0.1833, 0.2852



75.1165, 0.3612, 0.2574



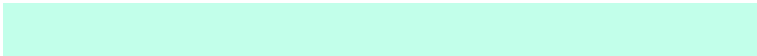
75.1165, 0.4619, 0.3437

# Sweetspot

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



75.1195, 0.2552, 0.4203



88.9096, 0.2879, 0.3514



75.3194, 0.3274, 0.5582



18.7433, 0.2845, 0.3552



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

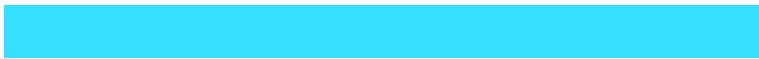
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1195, 0.2552, 0.4203



74.5939, 0.2564, 0.4406



61.0268, 0.2184, 0.2906



20.3699, 0.3026, 0.3372



38.8761, 0.2569, 0.4450



3.8057, 0.2528, 0.4301



# Inverse Universe

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



24.8940, 0.5011, 0.2739



22.3759, 0.5516, 0.2839



27.3823, 0.5703, 0.3507



18.0894, 0.3240, 0.3209



11.4938, 0.5616, 0.2868

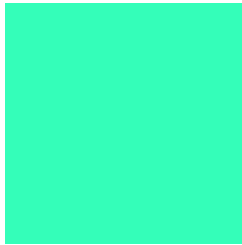


1.1386, 0.5299, 0.2693



# Previews

## White Background



This preview shows how the Yxy color 75.1165, 0.2552, 0.4203 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 75.1165, 0.2552, 0.4203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

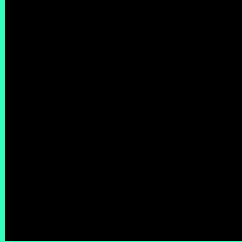
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.1165, 0.2552, 0.4203**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.1165, 0.2552, 0.4203.

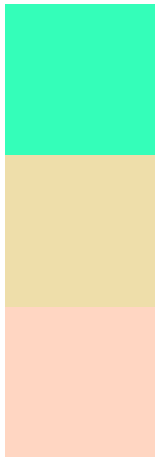


This preview shows how white text looks on a background with the Yxy color 75.1165, 0.2552, 0.4203.

# 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

75.1165, 0.2552, 0.4203

### Protanopia

73.3220, 0.3603, 0.3848

### Deuteranopia

73.2482, 0.3581, 0.3496



## Tritanopia

74.3563, 0.2479, 0.3104

# Trichromacy



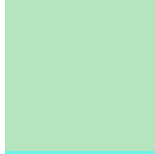
## Original Color

75.1165, 0.2552, 0.4203



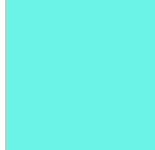
## Protanomaly

70.4868, 0.3061, 0.4015



## Deuteranomaly

69.6240, 0.3039, 0.3746



## Tritanomaly

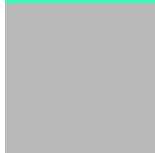
73.5403, 0.2480, 0.3460

# Monochromacy



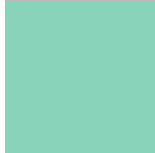
## Original Color

75.1165, 0.2552, 0.4203



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

55.4521, 0.2779, 0.3628

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.1165, 0.2552, 0.4203 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, 254, 185)` looks like.

```
.text, #text, p{  
    color:rgb(52, 254, 185)  
}
```

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, 254, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 254, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 75.1165, 0.2552, 0.4203 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, 254, 185) }
```

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

```
.border{ border-color:rgb(52, 254, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 254, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 254, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 254, 185);  
box-shadow:4px 4px 4px 4px rgb(52, 254,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.1165, 0.2552, 0.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 254, 185) }
```

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

```
.background{ background-color: rgb(52, 254,  
185) }
```

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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