

# Converting Colors

$Y_{xy}(75.7165, 0.2554, 0.4218)$

Have a look what the booklet for  
Yxy(75.7165, 0.2554, 0.4218)  
contains.

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# Color

**Yxy(75.7266, 0.2553, 0.4214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33FFB9
RGB	51, 255, 185
RGB Percent	20%, 100%, 73%
CMY	0.8004, 0.0000, 0.2745
CMYK	0.80, 0.00, 0.27, 0.00
HSL	159°, 100%, 60%
HSV	159°, 80%, 100%
XYZ	45.8780, 75.7266, 58.0978
YIQ	186.0240, -99.1140, -65.0180

# Conversions

## Conversions Part 2

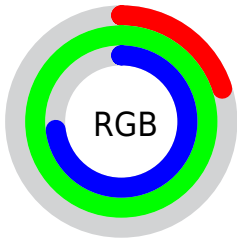
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 174, 255
Decimal	3407801
CIELab	89.73, -63.53, 20.08
CIElCh	90, 66.624, 162.459
Yxy	75.7266, 0.2553, 0.4214
Android (android.graphics.Color)	4281597881 (0xFF33FFB9)
YUV	186.0240, -0.5048, -118.4160
Hunter-Lab	87.0210, -58.1805, 21.3310

# Details

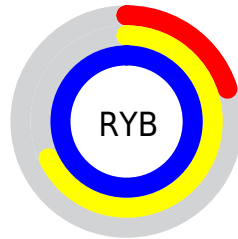
The Yxy color **75.7266, 0.2553, 0.4214** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **24.9965, 0.5022, 0.2737**, and the grayscale version is **49.1429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6167, 0.2541, 0.3451**, and **41.5984, 0.2559, 0.4411** is the 20% darker color. If you saturate the color by 10%, you get **74.8765, 0.2556, 0.4347**, and if you desaturate by 10%, it is **76.9565, 0.2570, 0.4080**.

# Distribution



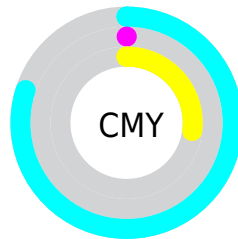
- Red (20%)
- Green (100%)
- Blue (73%)



- 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 75.7266, 0.2553, 0.4214 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 75.7266, 0.2553, 0.4214 by changing the saturation by 10% instead.





 75.7266, 0.2553,  
0.4214

 75.7266, 0.2553,  
0.4214


480.4113, 0.2828,  
0.3763

 56.2083, 0.2488,  
0.4323


 127.3404, 0.2650,  
0.4053


 40.3700, 0.2407,  
0.4460

 160.2047, 0.2687,  
0.3992

 27.8271, 0.2303,  
0.4637


 198.2865, 0.2719,  
0.3940

 18.1954, 0.2164,  
0.4877

 241.9701, 0.2747,  
0.3895

 11.0904, 0.1973,  
0.5216

291.6400, 0.2771,  
0.3855

 6.1276, 0.1694,  
0.5725


347.6806, 0.2792,

 2.9229, 0.1188,

0.3821

0.6608

410.4762, 0.2811,  
0.3790


 1.0916, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 75.7266, 0.2553,  
0.4214

 75.7266, 0.2553,  
0.4214


 74.8765, 0.2556,  
0.4347

 76.9565, 0.2570,  
0.4080

 74.3303, 0.2577,  
0.4477

 78.6264, 0.2608,  
0.3947

 80.7776, 0.2664,  
0.3818

 83.4487, 0.2737,  
0.3696

86.6740, 0.2822,  
0.3581

90.4849, 0.2918,  
0.3475

94.9106, 0.3020,  
0.3378

99.9781, 0.3127,  
0.3290

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



75.7266, 0.3282, 0.4717



75.7266, 0.2553, 0.4214



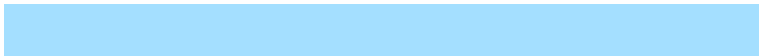
75.7266, 0.2019, 0.3372

# Triad

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



75.7266, 0.2553, 0.4214



75.7266, 0.2190, 0.2099



75.7266, 0.4686, 0.3626

# Complementary

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



75.7266, 0.2553, 0.4214



24.9965, 0.5022, 0.2737

# 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.



75.7266, 0.4338, 0.3059



75.7266, 0.2553, 0.4214



75.7266, 0.2808, 0.2228

# Square

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



75.7266, 0.2553, 0.4214



75.7266, 0.1845, 0.2222



75.7266, 0.3609, 0.2567



75.7266, 0.4540, 0.4197



# Rectangle

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



75.7266, 0.2553, 0.4214



75.7266, 0.1828, 0.2854



75.7266, 0.3609, 0.2567



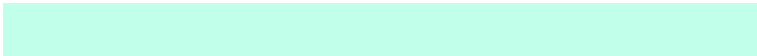
75.7266, 0.4625, 0.3433

# Sweetspot

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



75.7240, 0.2553, 0.4214



88.9041, 0.2879, 0.3516



75.9200, 0.3272, 0.5591



18.7420, 0.2845, 0.3554



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.



75.7240, 0.2553, 0.4214



74.5278, 0.2567, 0.4425



61.4393, 0.2181, 0.2903



20.3694, 0.3026, 0.3373



38.8684, 0.2571, 0.4455



3.8050, 0.2529, 0.4306



# Inverse Universe

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



24.9965, 0.5022, 0.2737



22.2923, 0.5539, 0.2847



27.4594, 0.5721, 0.3505



18.0899, 0.3240, 0.3209



11.4973, 0.5610, 0.2864

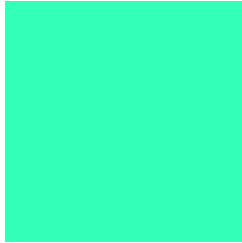


1.1390, 0.5294, 0.2690



# Previews

## White Background



This preview shows how the Yxy color 75.7266, 0.2553, 0.4214 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 75.7266, 0.2553, 0.4214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

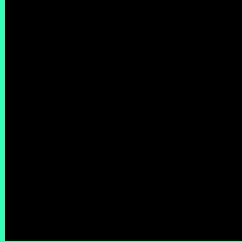
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.7266, 0.2553, 0.4214**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.7266, 0.2553, 0.4214.



This preview shows how white text looks on a background with the Yxy color 75.7266, 0.2553, 0.4214.

# Color Blindness Simulation

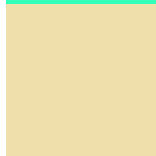
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

75.7266, 0.2553, 0.4214



### Protanopia

74.0284, 0.3607, 0.3857



### Deuteranopia

73.7559, 0.3579, 0.3506



## **Tritanopia**

75.2910, 0.2498, 0.3116

# Trichromacy



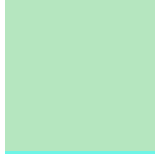
## Original Color

75.7266, 0.2553, 0.4214



## Protanomaly

71.1697, 0.3067, 0.4024



## Deuteranomaly

70.1790, 0.3039, 0.3757



## Tritanomaly

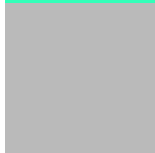
74.2692, 0.2489, 0.3472

# Monochromacy



## Original Color

75.7266, 0.2553, 0.4214



## 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 75.7266, 0.2553, 0.4214 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(51, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 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(51, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 75.7266, 0.2553, 0.4214 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(51, 255, 185) }
```

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

```
.border{ border-color:rgb(51, 255, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.7266, 0.2553, 0.4214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 185) }
```

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

```
.background{ background-color: rgb(51, 255,  
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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