

# Converting Colors

$Y_{xy}(74.6495, 0.2452, 0.3890)$

Have a look what the booklet for  
Yxy(74.6495, 0.2452, 0.3890)  
contains.

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# Color

**Yxy(74.6579, 0.2451, 0.3887)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EFCCE
RGB	46, 252, 206
RGB Percent	18%, 99%, 81%
CMY	0.8200, 0.0117, 0.1921
CMYK	0.82, 0.00, 0.18, 0.01
HSL	167°, 97%, 58%
HSV	167°, 82%, 99%
XYZ	47.0765, 74.6579, 70.3363
YIQ	185.1620, -108.0100, -57.9780

# Conversions

## Conversions Part 2

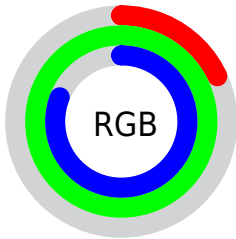
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 162, 252
Decimal	3079374
CIELab	89.23, -57.99, 8.55
CIELCh	89, 58.612, 171.617
Yxy	74.6579, 0.2451, 0.3887
Android (android.graphics.Color)	4281269454 (0xFF2EFCCE)
YUV	185.1620, 10.2731, -122.0451
Hunter-Lab	86.4048, -53.9550, 12.2194

# Details

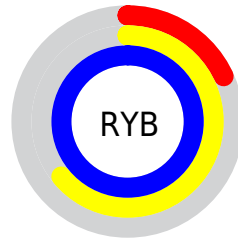
The Yxy color **74.6579, 0.2451, 0.3887** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **23.4145, 0.5462, 0.2971**, and the grayscale version is **48.5851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **40.8506, 0.2445, 0.4002** is the 20% darker color. If you saturate the color by 10%, you get **73.9698, 0.2447, 0.3970**, and if you desaturate by 10%, it is **75.7041, 0.2475, 0.3804**.

# Distribution



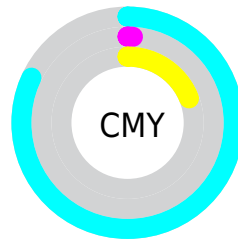
- Red (18%)
- Green (99%)
- Blue (81%)



- Red (18%)
- Yellow (64%)
- Blue (99%)



- Cyan (82%)
- Magenta (0%)
- Yellow (18%)
- Black (1%)




- Cyan (82%)
- Magenta (1%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6579, 0.2451, 0.3887 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 74.6579, 0.2451, 0.3887 by changing the saturation by 10% instead.




 74.6579, 0.2451,  
0.3887


 74.6579, 0.2451,  
0.3887


476.7409, 0.2765,  
0.3603

 55.3327, 0.2380,  
0.3953


 125.8280, 0.2560,  
0.3787

 39.6681, 0.2292,  
0.4036

 158.4416, 0.2602,  
0.3749

 27.2799, 0.2180,  
0.4143


 196.2536, 0.2638,  
0.3716

 17.7835, 0.2036,  
0.4284

 239.6481, 0.2670,  
0.3687

 10.7947, 0.1843,  
0.4479

289.0098, 0.2698,  
0.3662

 5.9290, 0.1571,  
0.4766


344.7228, 0.2723,

 2.8019, 0.1138,

0.3640


407.1718, 0.2745,  
0.3621


0.5241


 1.0292, 0.0000,  
0.6663


 0.0000, 0.0000,  
0.0000


 74.6579, 0.2451,  
0.3887


 74.6579, 0.2451,  
0.3887


 73.9698, 0.2447,  
0.3970


 75.7041, 0.2475,  
0.3804

 73.6002, 0.2455,  
0.4037


 77.1522, 0.2519,  
0.3721


 79.0486, 0.2582,  
0.3640


 81.4313, 0.2663,  
0.3562

 84.3339, 0.2758,  
0.3489

 87.7874, 0.2866,  
0.3420

 91.8200, 0.2982,  
0.3357

 96.4580, 0.3105,  
0.3300

 98.1046, 0.3128,  
0.3262

# Harmonies

## Analogous

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



74.6579, 0.3072, 0.4452



74.6579, 0.2451, 0.3887



74.6579, 0.2040, 0.3151

# Triad

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



74.6579, 0.2451, 0.3887



74.6579, 0.2436, 0.2229



74.6579, 0.4519, 0.3771

# Complementary

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



74.6579, 0.2451, 0.3887



23.4145, 0.5462, 0.2971

# 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.



74.6579, 0.4337, 0.3246



74.6579, 0.2451, 0.3887



74.6579, 0.3056, 0.2407

# Square

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



74.6579, 0.2451, 0.3887



74.6579, 0.2040, 0.2273



74.6579, 0.3773, 0.2767



74.6579, 0.4281, 0.4259



# Rectangle

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



74.6579, 0.2451, 0.3887



74.6579, 0.1919, 0.2739



74.6579, 0.3773, 0.2767



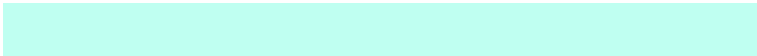
74.6579, 0.4507, 0.3596

# Sweetspot

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



74.6608, 0.2451, 0.3887



88.9664, 0.2830, 0.3442



72.2008, 0.3155, 0.5706



18.7756, 0.2792, 0.3466



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.



74.6608, 0.2451, 0.3887



75.6879, 0.2453, 0.4022



47.5615, 0.2085, 0.2564



19.5384, 0.3010, 0.3343



38.3603, 0.2451, 0.4024



3.5685, 0.2424, 0.3925



# Inverse Universe

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



23.4145, 0.5462, 0.2971



21.7061, 0.6002, 0.3092



30.1753, 0.5558, 0.3704



17.2886, 0.3259, 0.3237



10.9484, 0.6014, 0.3087

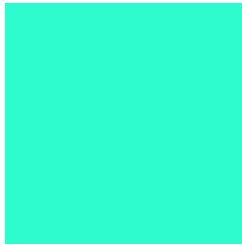


1.0292, 0.5691, 0.2908



# Previews

## White Background



This preview shows how the Yxy color 74.6579, 0.2451, 0.3887 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

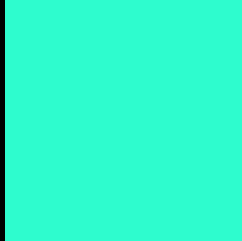
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.6579, 0.2451, 0.3887 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

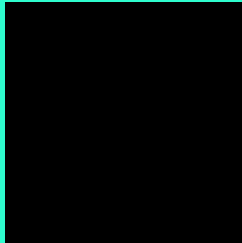
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.6579, 0.2451, 0.3887**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6579, 0.2451, 0.3887.

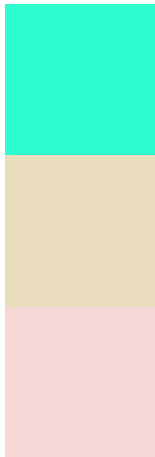


This preview shows how white text looks on a background with the Yxy color 74.6579, 0.2451, 0.3887.

# 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

74.6579, 0.2451, 0.3887

### Protanopia

72.7542, 0.3427, 0.3626

### Deuteranopia

73.0487, 0.3364, 0.3301



## Tritanopia

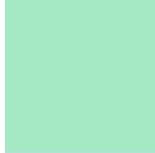
73.9395, 0.2458, 0.3103

# Trichromacy



## Original Color

74.6579, 0.2451, 0.3887



## Protanomaly

69.6981, 0.2908, 0.3730



## Deuteranomaly

69.0742, 0.2869, 0.3492



## Tritanomaly

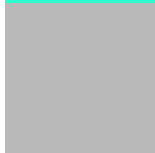
73.5825, 0.2430, 0.3374

# Monochromacy



## Original Color

74.6579, 0.2451, 0.3887



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

54.5195, 0.2717, 0.3506

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6579, 0.2451, 0.3887 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(46, 252, 206)` looks like.

```
.text, #text, p{  
    color:rgb(46, 252, 206)  
}
```

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(46, 252, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 252, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6579, 0.2451, 0.3887 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(46, 252, 206) }
```

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

```
.border{ border-color:rgb(46, 252, 206) }
```

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

Here you see how a box with a 4 pixel rgb(46, 252, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 252, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 252, 206);  
box-shadow:4px 4px 4px 4px rgb(46, 252,  
206) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 74.6579, 0.2451, 0.3887$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 252, 206) }
```

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

```
.background{ background-color: rgb(46, 252,  
206) }
```

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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