

# Converting Colors

$Y_{xy}(76.3034, 0.2473, 0.3774)$

Have a look what the booklet for  
Yxy(76.3034, 0.2473, 0.3774)  
contains.

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# Color

**Yxy(76.5614, 0.2475, 0.3783)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4AFDD6
RGB	74, 253, 214
RGB Percent	29%, 99%, 84%
CMY	0.7093, 0.0078, 0.1609
CMYK	0.71, 0.00, 0.15, 0.01
HSL	167°, 98%, 64%
HSV	167°, 71%, 99%
XYZ	50.0897, 76.5614, 75.7316
YIQ	195.0330, -94.1650, -50.0770

# Conversions

## Conversions Part 2

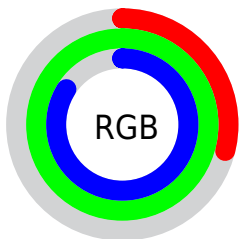
Format	Color
<a href="#">RYB</a>	<a href="#">74, 174, 253</a>
Decimal	<a href="#">4914646</a>
CIELab	<a href="#">90.12, -53.54, 5.76</a>
CIELCh	<a href="#">90, 53.852, 173.857</a>
Yxy	<a href="#">76.5614, 0.2475, 0.3783</a>
Android (android.graphics.Color)	<a href="#">4283104726</a> ( <a href="#">0xFF4AFDD6</a> )
YUV	<a href="#">195.0330, 9.3507, -106.1459</a>
Hunter-Lab	<a href="#">87.4994, -50.9401, 9.9334</a>

# Details

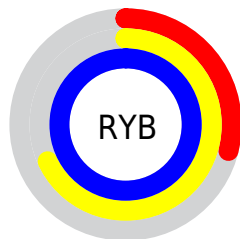
The Yxy color **76.5614, 0.2475, 0.3783** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **26.9924, 0.5028, 0.2953**, and the grayscale version is **54.5994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **41.5334, 0.2414, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **75.4749, 0.2449, 0.3864**, and if you desaturate by 10%, it is **78.0670, 0.2522, 0.3702**.

# Distribution



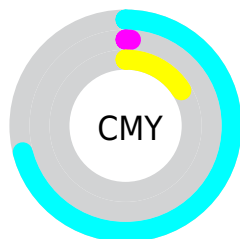
- Red (29%)
- Green (99%)
- Blue (84%)



- Red (29%)
- Yellow (68%)
- Blue (99%)



- Cyan (71%)
- Magenta (0%)
- Yellow (15%)
- Black (1%)




- Cyan (71%)
- Magenta (1%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5614, 0.2475, 0.3783 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 76.5614, 0.2475, 0.3783 by changing the saturation by 10% instead.




 76.5614, 0.2475,  
0.3783

 76.5614, 0.2475,  
0.3783


483.2673, 0.2774,  
0.3552


 56.8930, 0.2407,  
0.3836


 128.5202, 0.2578,  
0.3702

 40.9193, 0.2324,  
0.3902


 161.5793, 0.2619,  
0.3671

 28.2560, 0.2220,  
0.3986


 199.8708, 0.2653,  
0.3644

 18.5188, 0.2086,  
0.4097

 243.7790, 0.2684,  
0.3621

 11.3231, 0.1906,  
0.4247

293.6884, 0.2711,  
0.3601

 6.2846, 0.1655,  
0.4465


349.9833, 0.2734,


 3.0189, 0.1289,


0.3583


0.4803


413.0481, 0.2755,  
0.3567


 1.1416, 0.0000,  
0.5829

 0.0132, 0.0000,  
1.0000


 76.5614, 0.2475,  
0.3783


 76.5614, 0.2475,  
0.3783


 75.4749, 0.2449,  
0.3864


 78.0670, 0.2522,  
0.3702

 74.7469, 0.2442,  
0.3945

 80.0262, 0.2587,  
0.3624


 74.3179, 0.2450,  
0.4020

 82.4795, 0.2670,  
0.3548

 85.4607, 0.2768,  
0.3477

 89.0007, 0.2877,  
0.3410

 93.1277, 0.2995,  
0.3349

 97.8682, 0.3118,  
0.3294

 98.7304, 0.3128,  
0.3271

# Harmonies

## Analogous

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



76.5614, 0.3037, 0.4312



76.5614, 0.2475, 0.3783



76.5614, 0.2110, 0.3124

# Triad

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



76.5614, 0.2475, 0.3783



76.5614, 0.2530, 0.2315



76.5614, 0.4395, 0.3781

# Complementary

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



76.5614, 0.2475, 0.3783



26.9924, 0.5028, 0.2953

# 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.



76.5614, 0.4254, 0.3294



76.5614, 0.2475, 0.3783



76.5614, 0.3114, 0.2495

# Square

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



76.5614, 0.2475, 0.3783



76.5614, 0.2144, 0.2344



76.5614, 0.3764, 0.2841



76.5614, 0.4160, 0.4215



# Rectangle

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



76.5614, 0.2475, 0.3783



76.5614, 0.2007, 0.2756



76.5614, 0.3764, 0.2841



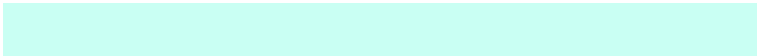
76.5614, 0.4393, 0.3619

# Sweetspot

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



76.5644, 0.2475, 0.3783



90.4900, 0.2873, 0.3412



74.4499, 0.3189, 0.5451



19.1440, 0.2842, 0.3430



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.



76.5644, 0.2475, 0.3783



76.4762, 0.2443, 0.3900



52.3585, 0.2171, 0.2677



20.4096, 0.3009, 0.3342



39.5572, 0.2446, 0.4007



3.8676, 0.2421, 0.3915



# Inverse Universe

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



26.9924, 0.5028, 0.2953



23.3269, 0.5601, 0.2997



35.2544, 0.5142, 0.3724



18.0520, 0.3260, 0.3238



11.2741, 0.6030, 0.3096

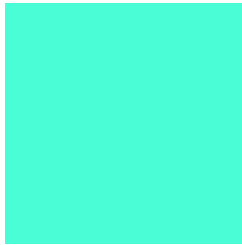


1.1131, 0.5725, 0.2927



# Previews

## White Background



This preview shows how the Yxy color 76.5614, 0.2475, 0.3783 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

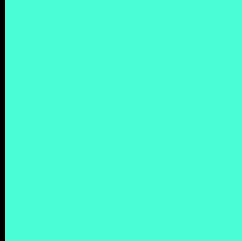
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.5614, 0.2475, 0.3783 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

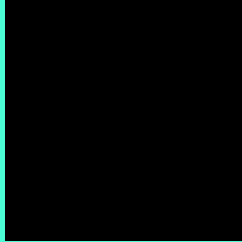
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.5614, 0.2475, 0.3783**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.5614, 0.2475, 0.3783.

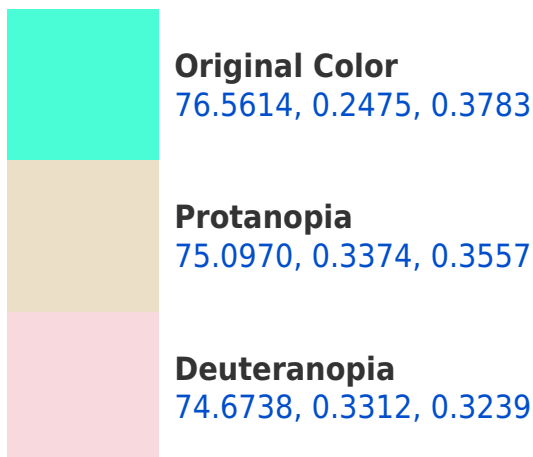


This preview shows how white text looks on a background with the Yxy color 76.5614, 0.2475, 0.3783.

# 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





## Tritanopia

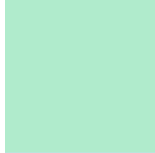
75.8361, 0.2525, 0.3117

# Trichromacy



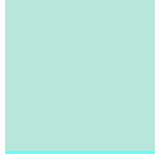
## Original Color

76.5614, 0.2475, 0.3783



## Protanomaly

73.0064, 0.2931, 0.3657



## Deuteranomaly

71.8984, 0.2892, 0.3417



## Tritanomaly

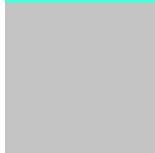
75.6610, 0.2490, 0.3348

# Monochromacy



## Original Color

76.5614, 0.2475, 0.3783



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

59.9553, 0.2776, 0.3469

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.5614, 0.2475, 0.3783 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(74, 253, 214)` looks like.

```
.text, #text, p{  
  color:rgb(74, 253, 214)  
}
```

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(74, 253, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 253, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 76.5614, 0.2475, 0.3783 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(74, 253, 214) }
```

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

```
.border{ border-color:rgb(74, 253, 214) }
```

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

Here you see how a box with a 4 pixel rgb(74, 253, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 253, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 253, 214);  
box-shadow:4px 4px 4px 4px rgb(74, 253,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.5614, 0.2475, 0.3783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 253, 214) }
```

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

```
.background{ background-color: rgb(74, 253,  
214) }
```

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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