

# Converting Colors

$Yxy(76.0491, 0.2747, 0.3731)$

Have a look what the booklet for  
Yxy(76.0491, 0.2747, 0.3731)  
contains.

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# Color

**Yxy(76.0193, 0.2745, 0.3725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92F5D1
RGB	146, 245, 209
RGB Percent	57%, 96%, 82%
CMY	0.4273, 0.0392, 0.1804
CMYK	0.40, 0.00, 0.15, 0.04
HSL	158°, 83%, 77%
HSV	158°, 40%, 96%
XYZ	56.0196, 76.0193, 72.0398
YIQ	211.2950, -47.4480, -32.1840

# Conversions

## Conversions Part 2

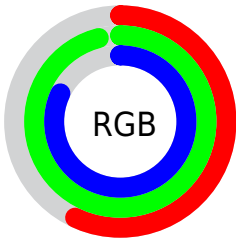
Format	Color
R <sub>Y</sub> B	146, 207, 245
Decimal	9631185
CIE Lab	89.87, -37.11, 8.26
CIE LCh	90, 38.021, 167.457
Yxy	76.0193, 0.2745, 0.3725
Android (android.graphics.Color)	4287821265 (0xFF92F5D1)
YUV	211.2950, -1.1314, -57.2637
Hunter-Lab	87.1890, -37.8933, 12.0441

# Details

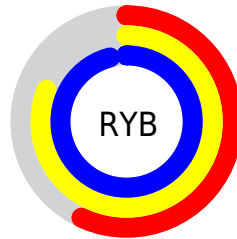
The Yxy color **76.0193, 0.2745, 0.3725** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.3614, 0.3774, 0.2902**, and the grayscale version is **65.3849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **40.4568, 0.2648, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **73.5826, 0.2675, 0.3856**, and if you desaturate by 10%, it is **78.9680, 0.2828, 0.3603**.

# Distribution



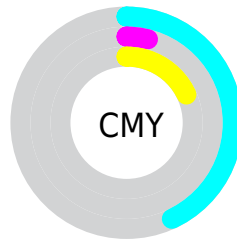
- Red (57%)
- Green (96%)
- Blue (82%)



- Red (57%)
- Yellow (81%)
- Blue (96%)



- Cyan (40%)
- Magenta (0%)
- Yellow (15%)
- Black (4%)




- Cyan (43%)
- Magenta (4%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0193, 0.2745, 0.3725 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 76.0193, 0.2745, 0.3725 by changing the saturation by 10% instead.




 76.0193, 0.2745,  
0.3725


 76.0193, 0.2745,  
0.3725

481.4138, 0.2923,  
0.3519

 56.4483, 0.2704,  
0.3773

 127.7542, 0.2807,  
0.3653

 40.5625, 0.2653,  
0.3833


 160.6869, 0.2831,  
0.3625

 27.9774, 0.2589,  
0.3910


198.8423, 0.2852,  
0.3601

 18.3086, 0.2505,  
0.4012

242.6048, 0.2870,  
0.3580

 11.1718, 0.2390,  
0.4154

292.3588, 0.2885,  
0.3562

 6.1825, 0.2223,  
0.4364

348.4887, 0.2899,

 2.9564, 0.1963,

0.3546

0.4705

411.3789, 0.2912,  
0.3532

■ 1.1090, 0.0714,  
0.5983

■ 0.0000, 0.0000,  
0.0000

■ 76.0193, 0.2745,  
0.3725

■ 76.0193, 0.2745,  
0.3725

■ 73.5826, 0.2675,  
0.3856

■ 78.9680, 0.2828,  
0.3603

■ 71.6171, 0.2621,  
0.3993


■ 82.4481, 0.2921,  
0.3489


■ 70.0911, 0.2586,  
0.4134


■ 86.4891, 0.3020,  
0.3386

■ 68.9643, 0.2570,  
0.4277

■ 91.1158, 0.3123,  
0.3293

 68.1890, 0.2576,  
0.4418

 93.6922, 0.3140,  
0.3208

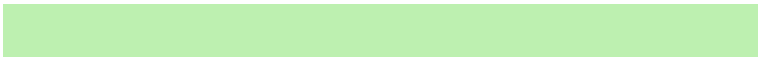
 67.7003, 0.2597,  
0.4551

 93.7844, 0.3132,  
0.3194

# Harmonies

## Analogous

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



76.0193, 0.3174, 0.4038



76.0193, 0.2745, 0.3725



76.0193, 0.2433, 0.3282

# Triad

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



76.0193, 0.2745, 0.3725



76.0193, 0.2625, 0.2565



76.0193, 0.4029, 0.3596

# Complementary

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



76.0193, 0.2745, 0.3725



43.3614, 0.3774, 0.2902

# 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.



76.0193, 0.3866, 0.3233



76.0193, 0.2745, 0.3725



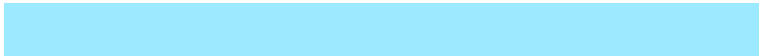
76.0193, 0.3028, 0.2664

# Square

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



76.0193, 0.2745, 0.3725



76.0193, 0.2370, 0.2634



76.0193, 0.3488, 0.2903



76.0193, 0.3928, 0.3916



# Rectangle

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



76.0193, 0.2745, 0.3725



76.0193, 0.2324, 0.3002



76.0193, 0.3488, 0.2903



76.0193, 0.4003, 0.3476

# Sweetspot

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



76.0224, 0.2745, 0.3725



93.9549, 0.3003, 0.3402



77.3656, 0.3294, 0.4454



19.9814, 0.2990, 0.3416



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

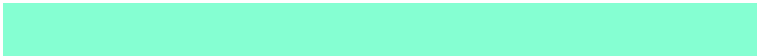


# Same Dimension

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



76.0224, 0.2745, 0.3725



81.1507, 0.2690, 0.3825



70.3105, 0.2547, 0.3133



18.6495, 0.3029, 0.3378



36.4993, 0.2591, 0.4528



3.2276, 0.2543, 0.4354



# Inverse Universe

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



43.3614, 0.3774, 0.2902



41.1052, 0.3962, 0.2831



46.3658, 0.4098, 0.3437



16.5822, 0.3236, 0.3204



10.8719, 0.5525, 0.2817

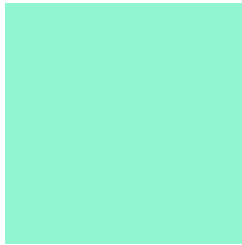


0.9745, 0.5181, 0.2628



# Previews

## White Background



This preview shows how the Yxy color 76.0193, 0.2745, 0.3725 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

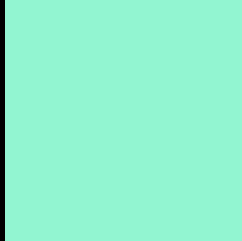
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.0193, 0.2745, 0.3725 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

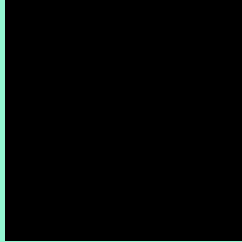
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.0193, 0.2745, 0.3725**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.0193, 0.2745, 0.3725.

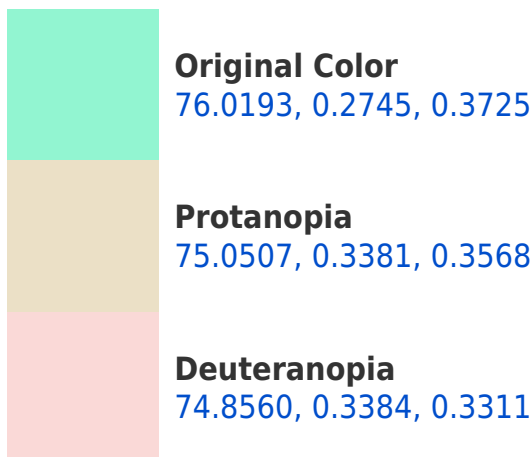


This preview shows how white text looks on a background with the Yxy color 76.0193, 0.2745, 0.3725.

# 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

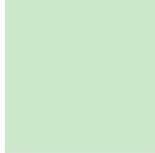
75.6809, 0.2596, 0.3087

# Trichromacy



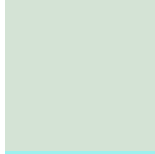
## Original Color

76.0193, 0.2745, 0.3725



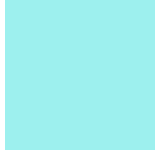
## Protanomaly

74.6740, 0.3118, 0.3630



## Deuteranomaly

73.7393, 0.3113, 0.3445



## Tritanomaly

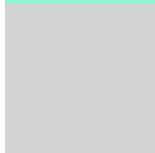
75.6613, 0.2648, 0.3312

# Monochromacy



## Original Color

76.0193, 0.2745, 0.3725



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

67.9933, 0.2962, 0.3442

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.0193, 0.2745, 0.3725 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(146, 245, 209)` looks like.

```
.text, #text, p{  
    color:rgb(146, 245, 209)  
}
```

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(146, 245, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 245, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0193, 0.2745, 0.3725 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(146, 245, 209) }
```

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

```
.border{ border-color:rgb(146, 245, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 245, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 245, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 245, 209);  
box-shadow:4px 4px 4px 4px rgb(146, 245,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.0193, 0.2745, 0.3725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 245, 209) }
```

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

```
.background{ background-color: rgb(146,  
245, 209) }
```

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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