

# Converting Colors

$Yxy(76.3344, 0.2876, 0.3653)$

Have a look what the booklet for  
Yxy(76.3344, 0.2876, 0.3653)  
contains.

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# **Color**

**Yxy(76.3344, 0.2876, 0.3653)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACF1D2
RGB	172, 241, 210
RGB Percent	67%, 95%, 82%
CMY	0.3255, 0.0549, 0.1765
CMYK	0.29, 0.00, 0.13, 0.05
HSL	153°, 71%, 81%
HSV	153°, 29%, 95%
XYZ	60.0979, 76.3344, 72.5313
YIQ	216.8350, -31.1730, -24.2690

# Conversions

## Conversions Part 2

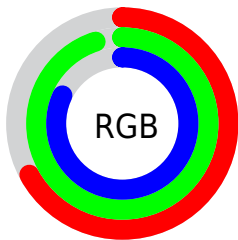
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 216, 241
Decimal	11334098
CIELab	90.01, -27.81, 8.11
CIELCh	90, 28.967, 163.734
Yxy	76.3344, 0.2876, 0.3653
Android (android.graphics.Color)	4289524178 (0xFFACF1D2)
YUV	216.8350, -3.3697, -39.3203
Hunter-Lab	87.3696, -30.1139, 11.9381

# Details

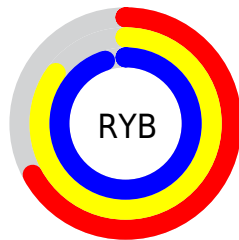
The Yxy color **76.3344, 0.2876, 0.3653** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.5150, 0.3478, 0.2955**, and the grayscale version is **69.3081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **40.9498, 0.2815, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **73.3319, 0.2800, 0.3805**, and if you desaturate by 10%, it is **79.8742, 0.2960, 0.3514**.

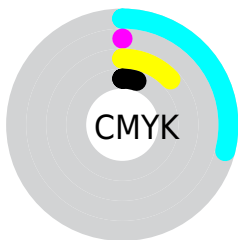
# Distribution



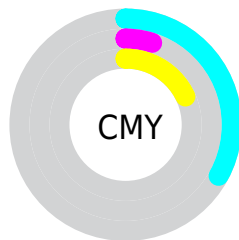
- Red (67%)
- Green (95%)
- Blue (82%)



- Red (67%)
- Yellow (85%)
- Blue (95%)



- Cyan (29%)
- Magenta (0%)
- Yellow (13%)
- Black (5%)



- Cyan (33%)
- Magenta (5%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3344, 0.2876, 0.3653 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 76.3344, 0.2876, 0.3653 by changing the saturation by 10% instead.





 76.3344, 0.2876,  
0.3653

 76.3344, 0.2876,  
0.3653


482.4916, 0.2993,  
0.3482

 56.7068, 0.2849,  
0.3693


 128.1995, 0.2917,  
0.3593

 40.7699, 0.2815,  
0.3743

161.2057, 0.2933,  
0.3570

 28.1393, 0.2773,  
0.3806


199.4403, 0.2946,  
0.3550

 18.4307, 0.2716,  
0.3891

243.2875, 0.2958,  
0.3533

 11.2596, 0.2639,  
0.4008

293.1319, 0.2969,  
0.3518

 6.2418, 0.2526,  
0.4181

349.3578, 0.2978,

 2.9926, 0.2346,

0.3504

412.3496, 0.2986,  
0.3493

0.4462

1.1279, 0.1750,  
0.5264

0.0016, 0.0000,  
1.0000

76.3344, 0.2876,  
0.3653

76.3344, 0.2876,  
0.3653

73.3319, 0.2800,  
0.3805

79.8742, 0.2960,  
0.3514

70.8298, 0.2736,  
0.3967

83.9673, 0.3048,  
0.3388

68.8012, 0.2687,  
0.4139

88.6407, 0.3140,  
0.3275

67.2128, 0.2655,  
0.4315

91.2875, 0.3144,  
0.3172

■ 66.0267, 0.2643,  
0.4494

■ 91.3956, 0.3133,  
0.3156

■ 65.1982, 0.2652,  
0.4669

■ 64.6628, 0.2679,  
0.4837

■ 64.6006, 0.2683,  
0.4859

# Harmonies

## Analogous

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



76.3344, 0.3212, 0.3866



76.3344, 0.2876, 0.3653



76.3344, 0.2617, 0.3331

# Triad

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



76.3344, 0.2876, 0.3653



76.3344, 0.2711, 0.2727



76.3344, 0.3807, 0.3502

# Complementary

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



76.3344, 0.2876, 0.3653



52.5150, 0.3478, 0.2955

# 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.



76.3344, 0.3659, 0.3218



76.3344, 0.2876, 0.3653



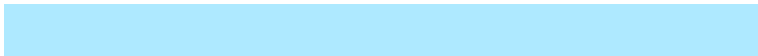
76.3344, 0.3013, 0.2787

# Square

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



76.3344, 0.2876, 0.3653



76.3344, 0.2526, 0.2804



76.3344, 0.3362, 0.2963

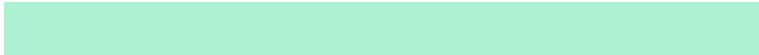


76.3344, 0.3759, 0.3751



# Rectangle

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



76.3344, 0.2876, 0.3653



76.3344, 0.2517, 0.3115



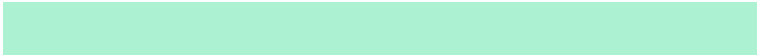
76.3344, 0.3362, 0.2963



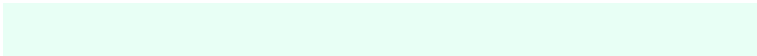
76.3344, 0.3778, 0.3407

# Sweetspot

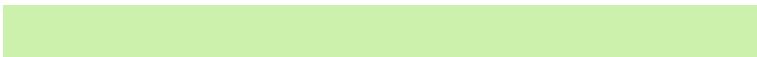
The Sweet Spot groups the original color and five complimentary colors.



76.3375, 0.2876, 0.3653



95.2576, 0.3045, 0.3393



78.5969, 0.3293, 0.4073



20.2358, 0.3032, 0.3410



0.0000, 0.0000, 0.0000

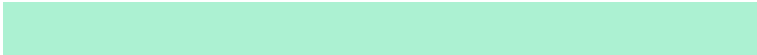


21.4041, 0.3127, 0.3290

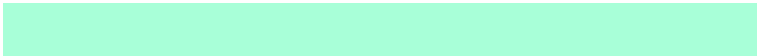


# Same Dimension

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



76.3375, 0.2876, 0.3653



84.8375, 0.2833, 0.3734



76.0124, 0.2708, 0.3250



17.8021, 0.3041, 0.3398



35.0563, 0.2676, 0.4832



2.9364, 0.2614, 0.4611



# Inverse Universe

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



52.5150, 0.3478, 0.2955



53.8941, 0.3569, 0.2889



52.5116, 0.3750, 0.3330



15.8769, 0.3223, 0.3184



10.7581, 0.5172, 0.2623

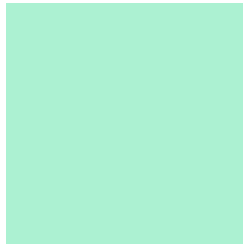


0.9147, 0.4849, 0.2445



# Previews

## White Background



This preview shows how the Yxy color 76.3344, 0.2876, 0.3653 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

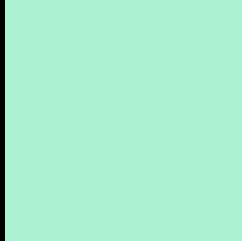
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.3344, 0.2876, 0.3653 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

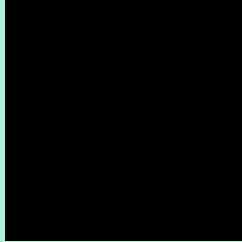
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

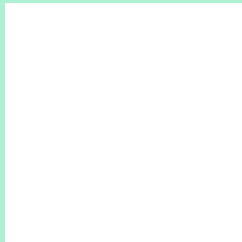
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.3344, 0.2876, 0.3653**

## Background



This preview shows how black text looks on a background with the Yxy color 76.3344, 0.2876, 0.3653.

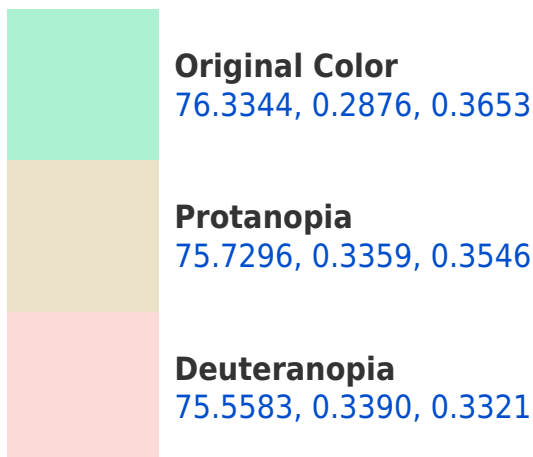


This preview shows how white text looks on a background with the Yxy color 76.3344, 0.2876, 0.3653.

# 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

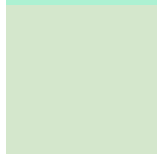
76.3962, 0.2687, 0.3080

# Trichromacy



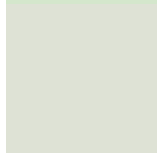
## Original Color

76.3344, 0.2876, 0.3653



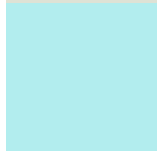
## Protanomaly

75.5085, 0.3168, 0.3590



## Deuteranomaly

74.7264, 0.3184, 0.3431



## Tritanomaly

76.2064, 0.2756, 0.3278

# Monochromacy



## Original Color

76.3344, 0.2876, 0.3653



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

71.6653, 0.3032, 0.3426

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  76.3344, 0.2876, 0.3653 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(172, 241, 210)` looks like.

```
.text, #text, p{  
    color:rgb(172, 241, 210)  
}
```

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(172, 241, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 241, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 76.3344, 0.2876, 0.3653 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(172, 241, 210) }
```

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

```
.border{ border-color:rgb(172, 241, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 241, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 241, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 241, 210);  
box-shadow:4px 4px 4px 4px rgb(172, 241,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.3344, 0.2876, 0.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 241, 210) }
```

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

```
.background{ background-color: rgb(172,  
241, 210) }
```

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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