

# Converting Colors

$Yxy(76.3034, 0.2713, 0.3345)$

Have a look what the booklet for  
Yxy(76.3034, 0.2713, 0.3345)  
contains.

<b>Yxy(76.5338, 0.2715, 0.3346)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(76.5338, 0.2715, 0.3346)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7F0EB
RGB	167, 240, 235
RGB Percent	65%, 94%, 92%
CMY	0.3449, 0.0588, 0.0784
CMYK	0.30, 0.00, 0.02, 0.06
HSL	176°, 71%, 80%
HSV	176°, 30%, 94%
XYZ	62.1008, 76.5338, 90.0976
YIQ	217.6030, -41.9030, -17.0310

# Conversions

## Conversions Part 2

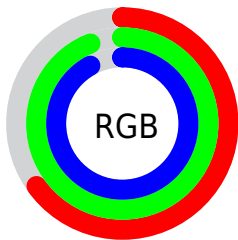
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	167, 205, 240
Decimal	11006187
CIE Lab	90.11, -23.49, -4.82
CIE LCh	90, 23.979, 191.602
Yxy	76.5338, 0.2715, 0.3346
Android (android.graphics.Color)	4289196267 (0xFFA7F0EB)
YUV	217.6030, 8.5767, -44.3788
Hunter-Lab	87.4836, -26.3869, 0.1769

# Details

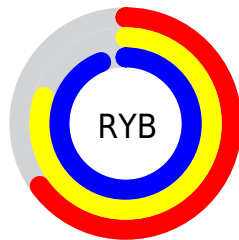
The Yxy color **76.5338, 0.2715, 0.3346** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.1639, 0.3766, 0.3236**, and the grayscale version is **69.7948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **40.9804, 0.2624, 0.3364** is the 20% darker color. If you saturate the color by 10%, you get **74.0654, 0.2603, 0.3367**, and if you desaturate by 10%, it is **79.4943, 0.2841, 0.3326**.

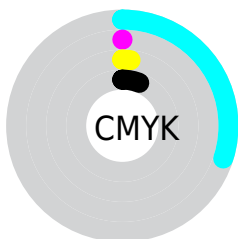
# Distribution



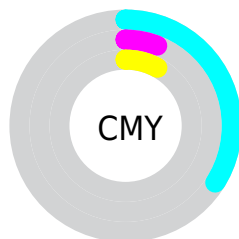
- Red (65%)
- Green (94%)
- Blue (92%)



- Red (65%)
- Yellow (80%)
- Blue (94%)



- Cyan (30%)
- Magenta (0%)
- Yellow (2%)
- Black (6%)




- Cyan (34%)
- Magenta (6%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5338, 0.2715, 0.3346 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 76.5338, 0.2715, 0.3346 by changing the saturation by 10% instead.




 76.5338, 0.2715,  
0.3346


 76.5338, 0.2715,  
0.3346


483.1730, 0.2902,  
0.3323

 56.8703, 0.2673,  
0.3351

 128.4812, 0.2779,  
0.3338

 40.9011, 0.2622,  
0.3356


 161.5339, 0.2804,  
0.3335

 28.2418, 0.2557,  
0.3363


199.8184, 0.2826,  
0.3333

 18.5080, 0.2475,  
0.3370

243.7193, 0.2845,  
0.3330

 11.3153, 0.2364,  
0.3379

293.6207, 0.2862,  
0.3328

 6.2794, 0.2208,  
0.3389

349.9073, 0.2877,

 3.0157, 0.1976,

0.3326

412.9632, 0.2890,  
0.3324

0.3397

1.1399, 0.1479,  
0.3439

0.0118, 0.0000,  
0.0326

76.5338, 0.2715,  
0.3346

76.5338, 0.2715,  
0.3346

74.0654, 0.2603,  
0.3367

79.4943, 0.2841,  
0.3326

72.0530, 0.2507,  
0.3389


82.9624, 0.2977,  
0.3308

70.4702, 0.2430,  
0.3412


86.9644, 0.3121,  
0.3291


69.2841, 0.2371,  
0.3435


89.9617, 0.3217,  
0.3275


 68.4569, 0.2333,  
0.3459

 90.0606, 0.3206,  
0.3259

 67.9439, 0.2312,  
0.3482

 90.1604, 0.3196,  
0.3243

 67.6751, 0.2307,  
0.3504

 90.2611, 0.3186,  
0.3227

 90.3627, 0.3176,  
0.3211

 90.4652, 0.3166,  
0.3196

# Harmonies

## Analogous

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



76.5338, 0.2939, 0.3604



76.5338, 0.2715, 0.3346



76.5338, 0.2601, 0.3085

# Triad

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



76.5338, 0.2715, 0.3346



76.5338, 0.3014, 0.2862



76.5338, 0.3658, 0.3664

# Complementary

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



76.5338, 0.2715, 0.3346



49.1639, 0.3766, 0.3236

# 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.



76.5338, 0.3684, 0.3454



76.5338, 0.2715, 0.3346



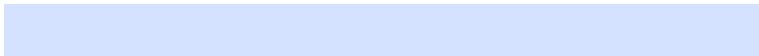
76.5338, 0.3303, 0.3004

# Square

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



76.5338, 0.2715, 0.3346



76.5338, 0.2767, 0.2821



76.5338, 0.3552, 0.3216



76.5338, 0.3485, 0.3785

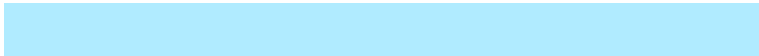


# Rectangle

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



76.5338, 0.2715, 0.3346



76.5338, 0.2598, 0.2948



76.5338, 0.3552, 0.3216



76.5338, 0.3685, 0.3601

# Sweetspot

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



76.5369, 0.2715, 0.3346



95.8034, 0.2996, 0.3305



74.0087, 0.3124, 0.4173



20.3709, 0.2976, 0.3308



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

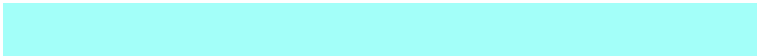


# Same Dimension

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



76.5369, 0.2715, 0.3346



86.1496, 0.2649, 0.3358



60.4110, 0.2648, 0.2929



17.9092, 0.2990, 0.3306



37.0567, 0.2306, 0.3500



3.0883, 0.2297, 0.3470



# Inverse Universe

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



49.1639, 0.3766, 0.3236



50.4082, 0.3941, 0.3226



61.4531, 0.3714, 0.3624



15.7764, 0.3283, 0.3274



10.1690, 0.6328, 0.3259

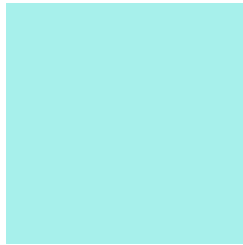


0.8521, 0.6146, 0.3159



# Previews

## White Background



This preview shows how the Yxy color 76.5338, 0.2715, 0.3346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

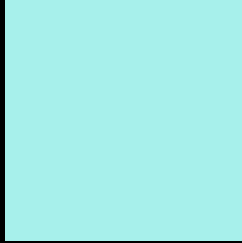
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.5338, 0.2715, 0.3346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

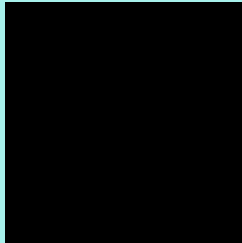
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

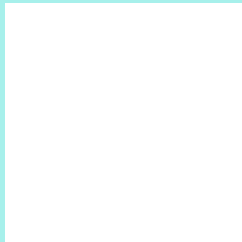
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.5338, 0.2715, 0.3346**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.5338, 0.2715, 0.3346.

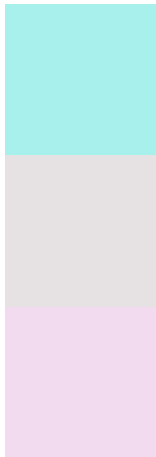


This preview shows how white text looks on a background with the Yxy color 76.5338, 0.2715, 0.3346.

# 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

76.5338, 0.2715, 0.3346

### Protanopia

76.1644, 0.3156, 0.3280

### Deuteranopia

75.7723, 0.3158, 0.3086



## Tritanopia

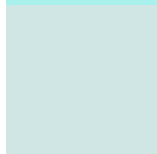
76.7870, 0.2647, 0.3090

# Trichromacy



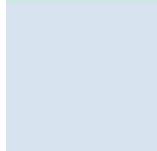
## Original Color

76.5338, 0.2715, 0.3346



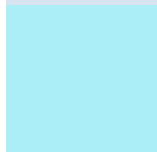
## Protanomaly

75.5162, 0.2980, 0.3301



## Deuteranomaly

75.5583, 0.2977, 0.3172



## Tritanomaly

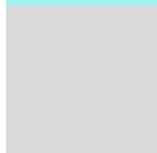
76.5843, 0.2667, 0.3177

# Monochromacy



## Original Color

76.5338, 0.2715, 0.3346



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

71.9166, 0.2957, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.5338, 0.2715, 0.3346 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(167, 240, 235)` looks like.

```
.text, #text, p{  
    color:rgb(167, 240, 235)  
}
```

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(167, 240, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 240, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 76.5338, 0.2715, 0.3346 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(167, 240, 235) }
```

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

```
.border{ border-color:rgb(167, 240, 235) }
```

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

Here you see how a box with a 4 pixel rgb(167, 240, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 240, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 240, 235);  
box-shadow:4px 4px 4px 4px rgb(167, 240,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.5338, 0.2715, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 240, 235) }
```

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

```
.background{ background-color: rgb(167,  
240, 235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor