

# Converting Colors

$Yxy(76.3034, 0.2553, 0.3356)$

Have a look what the booklet for  
Yxy(76.3034, 0.2553, 0.3356)  
contains.

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# Color

**Yxy(76.1676, 0.2553, 0.3347)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88F4EF
RGB	136, 244, 239
RGB Percent	53%, 96%, 94%
CMY	0.4662, 0.0432, 0.0627
CMYK	0.44, 0.00, 0.02, 0.04
HSL	177°, 83%, 75%
HSV	177°, 44%, 96%
XYZ	58.0986, 76.1676, 93.3036
YIQ	211.1380, -62.7630, -24.4510

# Conversions

## Conversions Part 2

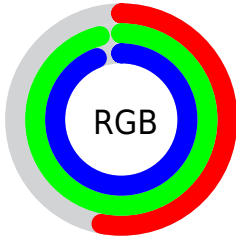
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	136, 191, 244
Decimal	8975599
CIE <sub>Lab</sub>	89.94, -32.29, -7.32
CIE <sub>LCh</sub>	90, 33.106, 192.767
Yxy	76.1676, 0.2553, 0.3347
Android (android.graphics.Color)	4287165679 (0xFF88F4EF)
YUV	211.1380, 13.7360, -65.8960
Hunter-Lab	87.2741, -33.9017, -2.2944

# Details

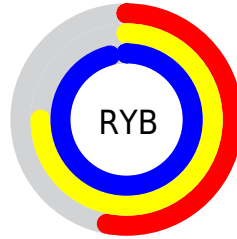
The Yxy color **76.1676, 0.2553, 0.3347** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.7997, 0.4253, 0.3239**, and the grayscale version is **65.1960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **40.4960, 0.2424, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **74.2863, 0.2462, 0.3362**, and if you desaturate by 10%, it is **78.5203, 0.2661, 0.3333**.

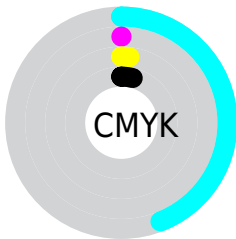
# Distribution



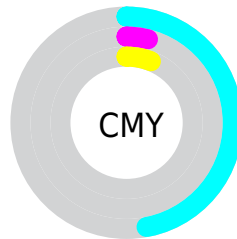
- Red (53%)
- Green (96%)
- Blue (94%)



- Red (53%)
- Yellow (75%)
- Blue (96%)



- Cyan (44%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)




- Cyan (47%)
- Magenta (4%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1676, 0.2553, 0.3347 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 76.1676, 0.2553, 0.3347 by changing the saturation by 10% instead.





 76.1676, 0.2553,  
0.3347


 76.1676, 0.2553,  
0.3347


481.9212, 0.2812,  
0.3326

 56.5699, 0.2495,  
0.3351

 127.9638, 0.2642,  
0.3341

 40.6601, 0.2425,  
0.3354


 160.9311, 0.2677,  
0.3338

 28.0536, 0.2337,  
0.3358


199.1238, 0.2707,  
0.3335

 18.3660, 0.2225,  
0.3362

242.9262, 0.2733,  
0.3333

 11.2131, 0.2077,  
0.3363

292.7228, 0.2756,  
0.3331

 6.2104, 0.1872,  
0.3360


348.8979, 0.2777,


 2.9734, 0.1575,


0.3329


411.8359, 0.2796,  
0.3328


0.3341


 1.1179, 0.0782,  
0.3395


 0.0000, 0.0000,  
0.0000


 76.1676, 0.2553,  
0.3347


 76.1676, 0.2553,  
0.3347


 74.2863, 0.2462,  
0.3362


 78.5203, 0.2661,  
0.3333


 72.8356, 0.2391,  
0.3377


 81.3645, 0.2784,  
0.3319

 71.7824, 0.2339,  
0.3393


 84.7296, 0.2919,  
0.3306

 71.0851, 0.2306,  
0.3408

 88.6405, 0.3064,  
0.3295


 70.6926, 0.2290,  
0.3423


 92.5244, 0.3195,  
0.3284

 70.5609, 0.2287,  
0.3432

 92.5934, 0.3188,  
0.3273

 92.6627, 0.3181,  
0.3262

 92.7325, 0.3174,  
0.3251

 92.8026, 0.3167,  
0.3240

# Harmonies

## Analogous

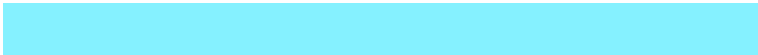
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1676, 0.2850, 0.3719



76.1676, 0.2553, 0.3347



76.1676, 0.2409, 0.2986

# Triad

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



76.1676, 0.2553, 0.3347



76.1676, 0.2982, 0.2716



76.1676, 0.3854, 0.3804

# Complementary

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



76.1676, 0.2553, 0.3347



38.7997, 0.4253, 0.3239

# 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.



76.1676, 0.3904, 0.3515



76.1676, 0.2553, 0.3347



76.1676, 0.3382, 0.2911

# Square

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



76.1676, 0.2553, 0.3347



76.1676, 0.2643, 0.2652



76.1676, 0.3728, 0.3195



76.1676, 0.3603, 0.3979

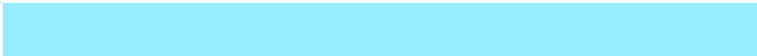


# Rectangle

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



76.1676, 0.2553, 0.3347



76.1676, 0.2410, 0.2806



76.1676, 0.3728, 0.3195



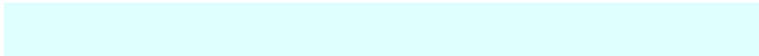
76.1676, 0.3895, 0.3716

# Sweetspot

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



76.1706, 0.2553, 0.3347



94.1477, 0.2936, 0.3305



72.1829, 0.3092, 0.4663



19.9610, 0.2905, 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.



76.1706, 0.2553, 0.3347



82.3268, 0.2471, 0.3360



51.0066, 0.2426, 0.2683



18.7438, 0.2987, 0.3301



38.3774, 0.2286, 0.3430



3.3770, 0.2281, 0.3410



# Inverse Universe

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



38.7997, 0.4253, 0.3239



36.1656, 0.4621, 0.3232



55.5683, 0.4056, 0.3818



16.4949, 0.3286, 0.3279



10.4767, 0.6353, 0.3273

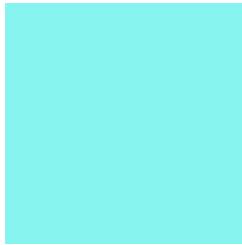


0.9251, 0.6233, 0.3207



# Previews

## White Background



This preview shows how the Yxy color 76.1676, 0.2553, 0.3347 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

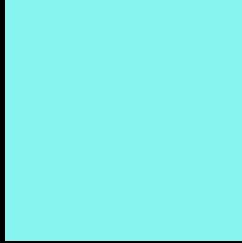
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.1676, 0.2553, 0.3347 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

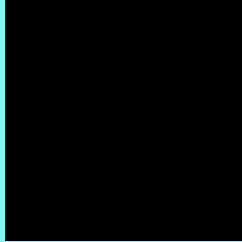
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.1676, 0.2553, 0.3347**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.1676, 0.2553, 0.3347.

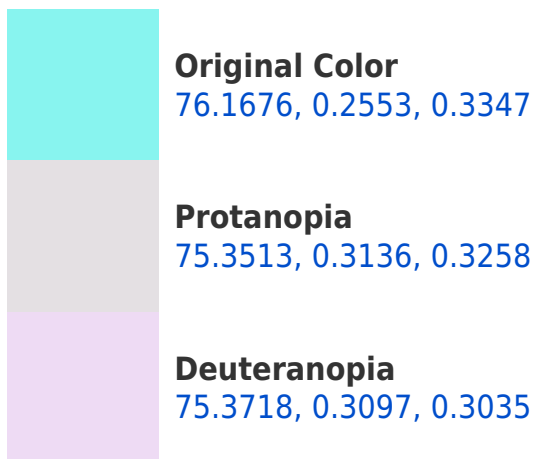


This preview shows how white text looks on a background with the Yxy color 76.1676, 0.2553, 0.3347.

# 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

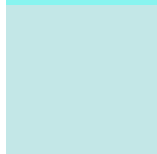
75.7400, 0.2573, 0.3097

# Trichromacy



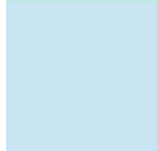
## Original Color

76.1676, 0.2553, 0.3347



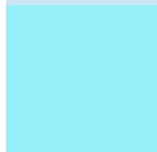
## Protanomaly

74.5235, 0.2891, 0.3289



## Deuteranomaly

74.3151, 0.2864, 0.3136



## Tritanomaly

75.7390, 0.2566, 0.3185

# Monochromacy



## Original Color

76.1676, 0.2553, 0.3347



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

68.1862, 0.2876, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.1676, 0.2553, 0.3347 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(136, 244, 239)` looks like.

```
.text, #text, p{  
    color:rgb(136, 244, 239)  
}
```

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(136, 244, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 244, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 76.1676, 0.2553, 0.3347 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(136, 244, 239) }
```

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

```
.border{ border-color:rgb(136, 244, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 244, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 244, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 244, 239);  
box-shadow:4px 4px 4px 4px rgb(136, 244,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.1676, 0.2553, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 244, 239) }
```

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

```
.background{ background-color: rgb(136,  
244, 239) }
```

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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