

# Converting Colors

$Y_{xy}(77.3895, 0.2687, 0.4242)$

Have a look what the booklet for  
Yxy(77.3895, 0.2687, 0.4242)  
contains.

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# Color

**Yxy(77.3976, 0.2687, 0.4241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61FFB5
RGB	97, 255, 181
RGB Percent	38%, 100%, 71%
CMY	0.6192, 0.0000, 0.2902
CMYK	0.62, 0.00, 0.29, 0.00
HSL	152°, 100%, 69%
HSV	152°, 62%, 100%
XYZ	49.0373, 77.3976, 56.0635
YIQ	199.3220, -70.4140, -56.5100

# Conversions

## Conversions Part 2

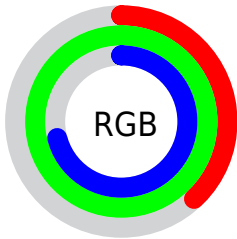
<b>Format</b>	<b>Color</b>
<b>RYB</b>	97, 200, 255
Decimal	6422453
CIELab	90.50, -58.05, 23.33
CIELCh	91, 62.562, 158.108
Yxy	77.3976, 0.2687, 0.4241
Android (android.graphics.Color)	4284612533 (0xFF61FFB5)
YUV	199.3220, -9.0327, -89.7364
Hunter-Lab	87.9759, -54.4628, 23.8000

# Details

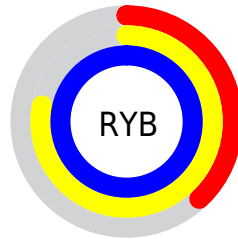
The Yxy color **77.3976, 0.2687, 0.4241** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.7732, 0.4139, 0.2565**, and the grayscale version is **57.4275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2115, 0.2694, 0.3491**, and **41.4910, 0.2579, 0.4484** is the 20% darker color. If you saturate the color by 10%, you get **75.7463, 0.2663, 0.4427**, and if you desaturate by 10%, it is **79.5473, 0.2729, 0.4059**.

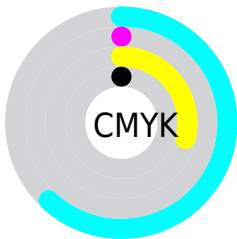
# Distribution



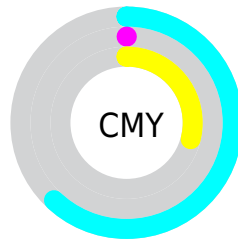
- Red (38%)
- Green (100%)
- Blue (71%)



- Red (38%)
- Yellow (78%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (62%)
- Magenta (0%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3976, 0.2687, 0.4241 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 77.3976, 0.2687, 0.4241 by changing the saturation by 10% instead.




 77.3976, 0.2687,  
0.4241


 77.3976, 0.2687,  
0.4241


486.1186, 0.2902,  
0.3778


 57.5793, 0.2635,  
0.4352

 129.7006, 0.2764,  
0.4076

 41.4705, 0.2570,  
0.4493

 162.9540, 0.2793,  
0.4013

 28.6869, 0.2486,  
0.4675


 201.4546, 0.2818,  
0.3959

 18.8441, 0.2372,  
0.4920

245.5867, 0.2839,  
0.3913

 11.5577, 0.2212,  
0.5266

295.7348, 0.2858,  
0.3872

 6.4433, 0.1971,  
0.5784


352.2832, 0.2874,


 3.1164, 0.1576,

0.3837

0.6634

415.6163, 0.2889,  
0.3806

 1.1928, 0.0000,  
1.0000


 0.0558, 0.0000,  
1.0000


 77.3976, 0.2687,  
0.4241


 77.3976, 0.2687,  
0.4241


 75.7463, 0.2663,  
0.4427


 79.5473, 0.2729,  
0.4059


 74.5382, 0.2660,  
0.4613


 82.2262, 0.2787,  
0.3885

 73.7213, 0.2678,  
0.4793

 85.4729, 0.2857,  
0.3721

 73.2803, 0.2703,  
0.4932

 89.3202, 0.2937,  
0.3571

 93.7979, 0.3022,  
0.3435

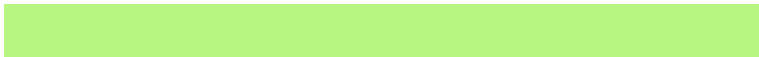
 98.9340, 0.3110,  
0.3312

99.9977, 0.3127,  
0.3290

# Harmonies

## Analogous

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



77.3976, 0.3385, 0.4636



77.3976, 0.2687, 0.4241



77.3976, 0.2145, 0.3486

# Triad

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



77.3976, 0.2687, 0.4241



77.3976, 0.2183, 0.2169



77.3976, 0.4565, 0.3538

# Complementary

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



77.3976, 0.2687, 0.4241



32.7732, 0.4139, 0.2565

# 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.



77.3976, 0.4174, 0.3004



77.3976, 0.2687, 0.4241



77.3976, 0.2733, 0.2257

# Square

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



77.3976, 0.2687, 0.4241



77.3976, 0.1892, 0.2328



77.3976, 0.3468, 0.2553



77.3976, 0.4499, 0.4080



# Rectangle

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



77.3976, 0.2687, 0.4241



77.3976, 0.1933, 0.2986



77.3976, 0.3468, 0.2553



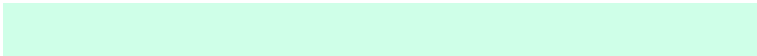
77.3976, 0.4483, 0.3355

# Sweetspot

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



77.4007, 0.2687, 0.4241



90.5634, 0.2961, 0.3530



81.3150, 0.3438, 0.5061



19.1240, 0.2937, 0.3570



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.



77.4007, 0.2687, 0.4241



75.4621, 0.2661, 0.4466



79.6173, 0.2369, 0.3257



20.3295, 0.3043, 0.3404



38.3222, 0.2696, 0.4904



3.7534, 0.2640, 0.4706



# Inverse Universe

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



32.7732, 0.4139, 0.2565



27.5497, 0.4452, 0.2498



31.1887, 0.5102, 0.3320



18.1288, 0.3220, 0.3179



11.8410, 0.5097, 0.2582

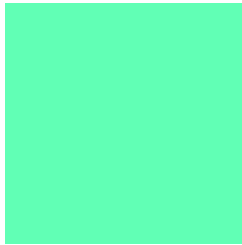


1.1748, 0.4826, 0.2432



# Previews

## White Background



This preview shows how the Yxy color 77.3976, 0.2687, 0.4241 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 77.3976, 0.2687, 0.4241 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

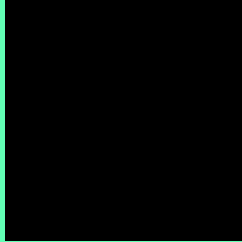
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.3976, 0.2687, 0.4241**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.3976, 0.2687, 0.4241.

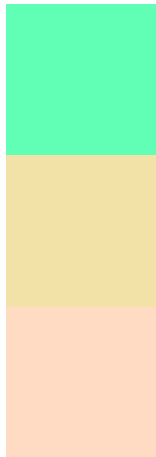


This preview shows how white text looks on a background with the Yxy color 77.3976, 0.2687, 0.4241.

# 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

77.3976, 0.2687, 0.4241

### Protanopia

76.0971, 0.3635, 0.3903

### Deuteranopia

75.9086, 0.3555, 0.3526



## Tritanopia

76.9111, 0.2576, 0.3120

# Trichromacy



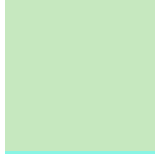
## Original Color

77.3976, 0.2687, 0.4241



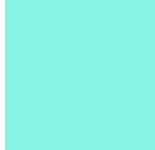
## Protanomaly

74.4043, 0.3196, 0.4043



## Deuteranomaly

73.4806, 0.3152, 0.3763



## Tritanomaly

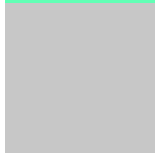
76.1405, 0.2605, 0.3492

# Monochromacy



## Original Color

77.3976, 0.2687, 0.4241



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

62.1502, 0.2907, 0.3632

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  77.3976, 0.2687, 0.4241 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(97, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 181)  
}
```

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(97, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 77.3976, 0.2687, 0.4241 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(97, 255, 181) }
```

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

```
.border{ border-color:rgb(97, 255, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.3976, 0.2687, 0.4241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 181) }
```

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

```
.background{ background-color: rgb(97, 255,  
181) }
```

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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