

Converting Colors

$Y_{xy}(77.3089, 0.2632, 0.4073)$

Have a look what the booklet for
Yxy(77.3089, 0.2632, 0.4073)
contains.

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Color

Yxy(77.2753, 0.2631, 0.4067)

Conversions

Conversions Part 1

Format	Color
Hex	61FEC1
RGB	97, 254, 193
RGB Percent	38%, 100%, 76%
CMY	0.6200, 0.0039, 0.2431
CMYK	0.62, 0.00, 0.24, 0.00
HSL	157°, 99%, 69%
HSV	157°, 62%, 100%
XYZ	49.9905, 77.2753, 62.7399
YIQ	200.1030, -73.9910, -52.2550

Conversions

Conversions Part 2

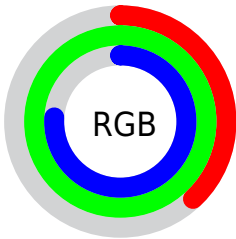
Format	Color
RYB	97, 194, 254
Decimal	6422209
CIELab	90.45, -55.23, 17.10
CIELCh	90, 57.815, 162.792
Yxy	77.2753, 0.2631, 0.4067
Android (android.graphics.Color)	4284612289 (0xFF61FEC1)
YUV	200.1030, -3.5018, -90.4213
Hunter-Lab	87.9064, -52.3270, 19.2185

Details

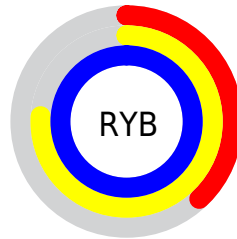
The Yxy color **77.2753, 0.2631, 0.4067** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.0704, 0.4305, 0.2691**, and the grayscale version is **57.8685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9992, 0.2633, 0.3344**, and **41.3439, 0.2519, 0.4268** is the 20% darker color. If you saturate the color by 10%, you get **75.6753, 0.2601, 0.4219**, and if you desaturate by 10%, it is **79.3572, 0.2680, 0.3919**.

Distribution



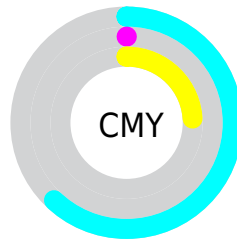
- Red (38%)
- Green (100%)
- Blue (76%)



- Red (38%)
- Yellow (76%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2753, 0.2631, 0.4067 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 77.2753, 0.2631, 0.4067 by changing the saturation by 10% instead.


 77.2753, 0.2631,
0.4067


 77.2753, 0.2631,
0.4067


485.7022, 0.2866,
0.3692


 57.4789, 0.2576,
0.4156

 129.5280, 0.2714,
0.3934

 41.3898, 0.2507,
0.4268


 162.7531, 0.2746,
0.3883

 28.6238, 0.2419,
0.4414


 201.2231, 0.2773,
0.3840

 18.7964, 0.2303,
0.4608

245.3226, 0.2797,
0.3802

 11.5233, 0.2143,
0.4881

295.4358, 0.2817,
0.3769

 6.4200, 0.1909,
0.5290


351.9472, 0.2836,


 3.1021, 0.1543,


0.3741


415.2412, 0.2852,
0.3715

0.5957


 1.1853, 0.0000,
0.9491


 0.0496, 0.0000,
1.0000


 77.2753, 0.2631,
0.4067


 77.2753, 0.2631,
0.4067

 75.6753, 0.2601,
0.4219


 79.3572, 0.2680,
0.3919


 74.5029, 0.2591,
0.4373


 81.9508, 0.2746,
0.3777

 73.7072, 0.2602,
0.4523

 85.0942, 0.2825,
0.3644

 73.2710, 0.2623,
0.4643

 88.8191, 0.2913,
0.3521

 93.1549, 0.3009,
0.3409

 98.1288, 0.3109,
0.3308

99.3713, 0.3128,
0.3281

Harmonies

Analogous

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



77.2753, 0.3271, 0.4501



77.2753, 0.2631, 0.4067



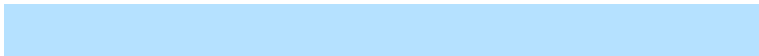
77.2753, 0.2156, 0.3362

Triad

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



77.2753, 0.2631, 0.4067



77.2753, 0.2312, 0.2240



77.2753, 0.4477, 0.3613

Complementary

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



77.2753, 0.2631, 0.4067



32.0704, 0.4305, 0.2691

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.



77.2753, 0.4176, 0.3103



77.2753, 0.2631, 0.4067



77.2753, 0.2863, 0.2354

Square

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



77.2753, 0.2631, 0.4067



77.2753, 0.1998, 0.2356



77.2753, 0.3556, 0.2660



77.2753, 0.4360, 0.4111

Rectangle

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



77.2753, 0.2631, 0.4067



77.2753, 0.1983, 0.2919



77.2753, 0.3556, 0.2660



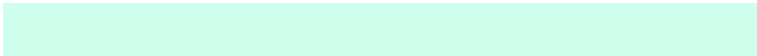
77.2753, 0.4423, 0.3440

Sweetspot

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



77.2784, 0.2631, 0.4067



90.7878, 0.2940, 0.3488



79.2003, 0.3356, 0.5107



19.1783, 0.2913, 0.3521



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.



77.2784, 0.2631, 0.4067



76.0552, 0.2597, 0.4253



71.0175, 0.2333, 0.3099



20.3549, 0.3032, 0.3384



38.6550, 0.2616, 0.4619



3.7851, 0.2570, 0.4450

Inverse Universe

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



32.0704, 0.4305, 0.2691



27.0722, 0.4682, 0.2646



33.6592, 0.5001, 0.3443



18.1038, 0.3233, 0.3198



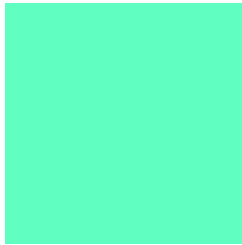
11.6067, 0.5432, 0.2766



1.1507, 0.5126, 0.2598

Previews

White Background



This preview shows how the Yxy color 77.2753, 0.2631, 0.4067 looks on a white background.

Color Contrast Check

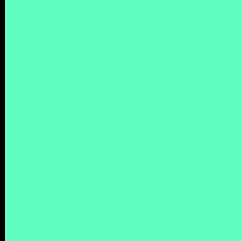
Large Text (above 18pt) WCAG AA × Fail

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 77.2753, 0.2631, 0.4067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

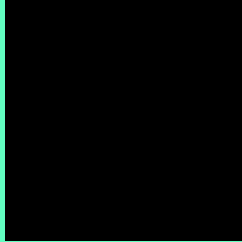
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.2753, 0.2631, 0.4067

Background



This preview shows how black text looks on a background with the Yxy color 77.2753, 0.2631, 0.4067.



This preview shows how white text looks on a background with the Yxy color 77.2753, 0.2631, 0.4067.

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

77.2753, 0.2631, 0.4067

Protanopia

75.6304, 0.3548, 0.3779

Deuteranopia

75.6671, 0.3514, 0.3454



Tritanopia

76.7083, 0.2567, 0.3119

Trichromacy



Original Color

77.2753, 0.2631, 0.4067



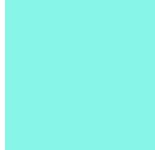
Protanomaly

74.1430, 0.3125, 0.3901



Deuteranomaly

73.2811, 0.3103, 0.3658



Tritanomaly

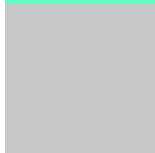
76.2819, 0.2582, 0.3443

Monochromacy



Original Color

77.2753, 0.2631, 0.4067



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

63.0041, 0.2884, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2753, 0.2631, 0.4067 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, 254, 193)` looks like.

```
.text, #text, p{  
    color:rgb(97, 254, 193)  
}
```

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, 254, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 254, 193) }
```

Border

The CSS property to change the border of an element to Yxy 77.2753, 0.2631, 0.4067 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, 254, 193) }
```

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

```
.border{ border-color:rgb(97, 254, 193) }
```

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

Here you see how a box with a 4 pixel rgb(97, 254, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 254, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 254, 193);  
box-shadow:4px 4px 4px 4px rgb(97, 254,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2753, 0.2631, 0.4067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 254, 193) }
```

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

```
.background{ background-color: rgb(97, 254,  
193) }
```

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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