

Converting Colors

$Y_{xy}(77.2055, 0.2582, 0.4069)$

Have a look what the booklet for
Yxy(77.2055, 0.2582, 0.4069)
contains.

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Color

Yxy(77.2089, 0.2584, 0.4073)

Conversions

Conversions Part 1

Format	Color
Hex	52FFC2
RGB	82, 255, 194
RGB Percent	32%, 100%, 76%
CMY	0.6782, 0.0000, 0.2391
CMYK	0.68, 0.00, 0.24, 0.00
HSL	159°, 100%, 66%
HSV	159°, 68%, 100%
XYZ	48.9830, 77.2089, 63.3708
YIQ	196.3190, -83.5270, -55.6470

Conversions

Conversions Part 2

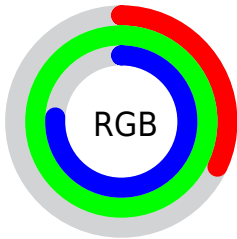
Format	Color
RYB	82, 187, 255
Decimal	5439426
CIELab	90.42, -57.82, 16.50
CIELCh	90, 60.132, 164.078
Yxy	77.2089, 0.2584, 0.4073
Android (android.graphics.Color)	4283629506 (0xFF52FFC2)
YUV	196.3190, -1.1433, -100.2578
Hunter-Lab	87.8686, -54.2639, 18.7481

Details

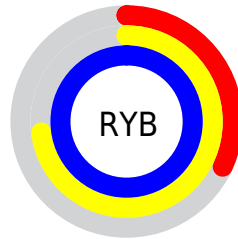
The Yxy color **77.2089, 0.2584, 0.4073** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted cyan. A complement of this color would be **29.2893, 0.4576, 0.2723**, and the grayscale version is **55.4614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8746, 0.2575, 0.3333**, and **41.8260, 0.2518, 0.4263** is the 20% darker color. If you saturate the color by 10%, you get **75.8803, 0.2563, 0.4211**, and if you desaturate by 10%, it is **78.9926, 0.2625, 0.3937**.

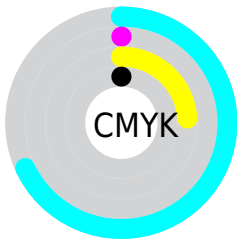
Distribution



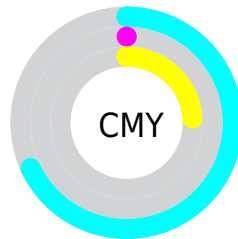
- Red (32%)
- Green (100%)
- Blue (76%)



- Red (32%)
- Yellow (73%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (68%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2089, 0.2584, 0.4073 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 77.2089, 0.2584, 0.4073 by changing the saturation by 10% instead.


 77.2089, 0.2584,
0.4073

 77.2089, 0.2584,
0.4073


485.4760, 0.2841,
0.3695

 57.4243, 0.2524,
0.4163


 129.4343, 0.2674,
0.3939


 41.3460, 0.2450,
0.4276


 162.6440, 0.2709,
0.3888

 28.5896, 0.2355,
0.4422


 201.0975, 0.2739,
0.3844

 18.7706, 0.2230,
0.4617

 245.1791, 0.2764,
0.3806

 11.5046, 0.2059,
0.4891

295.2735, 0.2787,
0.3773

 6.4073, 0.1811,
0.5301


351.7648, 0.2807,


 3.0943, 0.1422,

0.3744


0.5972


415.0375, 0.2825,
0.3718


 1.1812, 0.0000,
0.9202

 0.0462, 0.0000,
1.0000


 77.2089, 0.2584,
0.4073

 77.2089, 0.2584,
0.4073


 75.8803, 0.2563,
0.4211


 78.9926, 0.2625,
0.3937


 74.9475, 0.2563,
0.4349

 81.2649, 0.2685,
0.3805

 74.3467, 0.2581,
0.4483

 84.0662, 0.2759,
0.3681

 74.2387, 0.2587,
0.4512

 87.4303, 0.2846,
0.3564

 91.3881, 0.2943,
0.3457

 95.9683, 0.3045,
0.3359

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



77.2089, 0.3243, 0.4545



77.2089, 0.2584, 0.4073



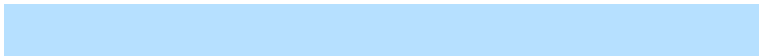
77.2089, 0.2105, 0.3330

Triad

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



77.2089, 0.2584, 0.4073



77.2089, 0.2302, 0.2204



77.2089, 0.4534, 0.3642

Complementary

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



77.2089, 0.2584, 0.4073



29.2893, 0.4576, 0.2723

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.



77.2089, 0.4241, 0.3116



77.2089, 0.2584, 0.4073



77.2089, 0.2880, 0.2332

Square

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



77.2089, 0.2584, 0.4073



77.2089, 0.1967, 0.2310



77.2089, 0.3603, 0.2655



77.2089, 0.4391, 0.4155

Rectangle

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



77.2089, 0.2584, 0.4073



77.2089, 0.1935, 0.2875



77.2089, 0.3603, 0.2655



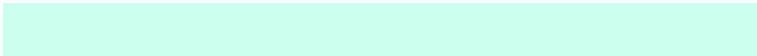
77.2089, 0.4485, 0.3463

Sweetspot

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



77.2120, 0.2584, 0.4073



90.4728, 0.2921, 0.3480



78.1924, 0.3320, 0.5292



19.1217, 0.2894, 0.3509



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.



77.2120, 0.2584, 0.4073



75.5437, 0.2561, 0.4255



66.6970, 0.2270, 0.3006



20.3663, 0.3027, 0.3375



38.8212, 0.2581, 0.4490



3.8006, 0.2538, 0.4337

Inverse Universe

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



29.2893, 0.4576, 0.2723



24.7983, 0.5024, 0.2721



31.9988, 0.5228, 0.3498



18.0929, 0.3239, 0.3206



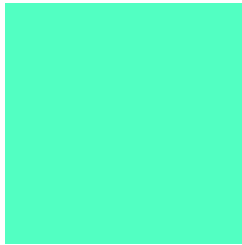
11.5193, 0.5573, 0.2844



1.1414, 0.5258, 0.2670

Previews

White Background



This preview shows how the Yxy color 77.2089, 0.2584, 0.4073 looks on a white background.

Color Contrast Check

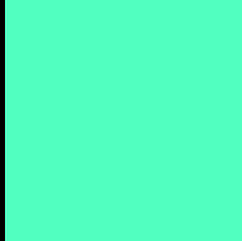
Large Text (above 18pt) WCAG AA × Fail

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 77.2089, 0.2584, 0.4073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

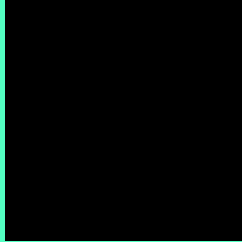
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.2089, 0.2584, 0.4073

Background



This preview shows how black text looks on a background with the Yxy color 77.2089, 0.2584, 0.4073.



This preview shows how white text looks on a background with the Yxy color 77.2089, 0.2584, 0.4073.

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

77.2089, 0.2584, 0.4073

Protanopia

75.6710, 0.3541, 0.3768

Deuteranopia

75.7146, 0.3506, 0.3444



Tritanopia

76.4102, 0.2552, 0.3119

Trichromacy



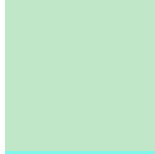
Original Color

77.2089, 0.2584, 0.4073



Protanomaly

73.5610, 0.3086, 0.3895



Deuteranomaly

72.5284, 0.3057, 0.3650



Tritanomaly

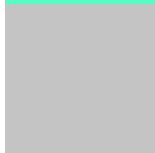
75.7772, 0.2548, 0.3432

Monochromacy



Original Color

77.2089, 0.2584, 0.4073



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.5344, 0.2843, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2089, 0.2584, 0.4073 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(82, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(82, 255, 194)  
}
```

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(82, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 255, 194) }
```

Border

The CSS property to change the border of an element to Yxy 77.2089, 0.2584, 0.4073 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(82, 255, 194) }
```

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

```
.border{ border-color:rgb(82, 255, 194) }
```

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

Here you see how a box with a 4 pixel rgb(82, 255, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(82, 255,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2089, 0.2584, 0.4073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 255, 194) }
```

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

```
.background{ background-color: rgb(82, 255,  
194) }
```

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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