

Converting Colors

$Yxy(82.7849, 0.2557, 0.3993)$

Have a look what the booklet for
Yxy(82.7849, 0.2557, 0.3993)
contains.

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Color

Yxy(77.8610, 0.2538, 0.3909)

Conversions

Conversions Part 1

Format	Color
Hex	54FFCE
RGB	84, 255, 206
RGB Percent	33%, 100%, 81%
CMY	0.6709, 0.0000, 0.1921
CMYK	0.67, 0.00, 0.19, 0.00
HSL	163°, 100%, 66%
HSV	163°, 67%, 100%
XYZ	50.5529, 77.8610, 70.7701
YIQ	198.2850, -86.1870, -51.4910

Conversions

Conversions Part 2

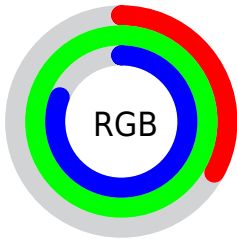
Format	Color
RYB	84, 184, 255
Decimal	5570510
CIELab	90.72, -54.88, 10.75
CIELCh	91, 55.918, 168.917
Yxy	77.8610, 0.2538, 0.3909
Android (android.graphics.Color)	4283760590 (0xFF54FFCE)
YUV	198.2850, 3.8035, -100.2279
Hunter-Lab	88.2389, -52.1537, 14.2150

Details

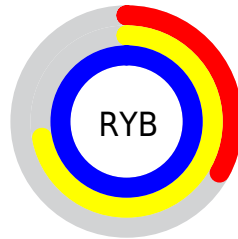
The Yxy color **77.8610, 0.2538, 0.3909** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **29.2785, 0.4715, 0.2838**, and the grayscale version is **56.6554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **42.1995, 0.2457, 0.4045** is the 20% darker color. If you saturate the color by 10%, you get **76.5428, 0.2510, 0.4019**, and if you desaturate by 10%, it is **79.6183, 0.2586, 0.3801**.

Distribution



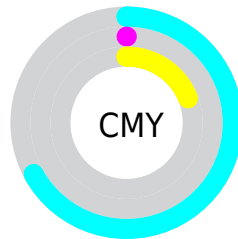
- Red (33%)
- Green (100%)
- Blue (81%)



- Red (33%)
- Yellow (72%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8610, 0.2538, 0.3909 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 77.8610, 0.2538, 0.3909 by changing the saturation by 10% instead.

 77.8610, 0.2538,
0.3909

 77.8610, 0.2538,
0.3909


487.6946, 0.2811,
0.3615


 57.9598, 0.2476,
0.3978


 130.3542, 0.2633,
0.3806

 41.7763, 0.2399,
0.4064


 163.7149, 0.2670,
0.3766

 28.9262, 0.2302,
0.4174


 202.3310, 0.2701,
0.3732

 19.0250, 0.2175,
0.4320


 246.5867, 0.2729,
0.3702

 11.6883, 0.2005,
0.4523

296.8666, 0.2753,
0.3676

 6.5318, 0.1764,
0.4821

353.5549, 0.2775,

 3.1711, 0.1403,

0.3654

0.5297

417.0361, 0.2794,
0.3633

■ 1.2217, 0.0000,
0.6934

■ 0.0793, 0.0000,
1.0000

■ 77.8610, 0.2538,
0.3909

■ 77.8610, 0.2538,
0.3909

■ 76.5428, 0.2510,
0.4019

■ 79.6183, 0.2586,
0.3801

■ 75.6222, 0.2502,
0.4128

■ 81.8645, 0.2652,
0.3697


■ 75.0337, 0.2514,
0.4237

■ 84.6339, 0.2735,
0.3598

■ 74.8974, 0.2519,
0.4268

■ 87.9599, 0.2830,
0.3505

 91.8730, 0.2934,
0.3419

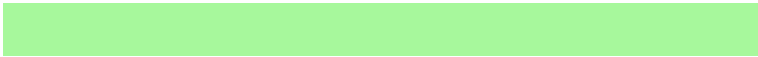
 96.4015, 0.3046,
0.3341

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



77.8610, 0.3138, 0.4404



77.8610, 0.2538, 0.3909



77.8610, 0.2124, 0.3223

Triad

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



77.8610, 0.2538, 0.3909



77.8610, 0.2431, 0.2277



77.8610, 0.4440, 0.3709

Complementary

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



77.8610, 0.2538, 0.3909



29.2785, 0.4715, 0.2838

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.



77.8610, 0.4229, 0.3210



77.8610, 0.2538, 0.3909



77.8610, 0.3004, 0.2429

Square

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



77.8610, 0.2538, 0.3909



77.8610, 0.2075, 0.2343



77.8610, 0.3678, 0.2759



77.8610, 0.4253, 0.4175

Rectangle

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



77.8610, 0.2538, 0.3909



77.8610, 0.1990, 0.2821



77.8610, 0.3678, 0.2759



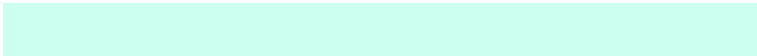
77.8610, 0.4415, 0.3542

Sweetspot

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



77.8584, 0.2538, 0.3909



90.6724, 0.2903, 0.3443



77.3299, 0.3257, 0.5314



19.1698, 0.2873, 0.3467



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.



77.8584, 0.2538, 0.3909



76.1389, 0.2505, 0.4062



60.6998, 0.2240, 0.2863



20.3876, 0.3018, 0.3359



39.1625, 0.2514, 0.4250



3.8320, 0.2480, 0.4126

Inverse Universe

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



29.2785, 0.4715, 0.2838



24.4847, 0.5238, 0.2850



34.8874, 0.5100, 0.3607



18.0726, 0.3249, 0.3222



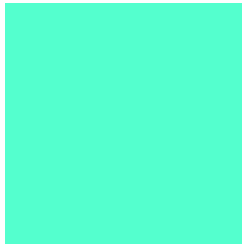
11.3823, 0.5816, 0.2978



1.1261, 0.5497, 0.2802

Previews

White Background



This preview shows how the Yxy color 77.8610, 0.2538, 0.3909 looks on a white background.

Color Contrast Check

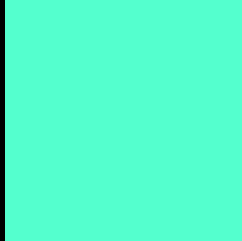
Large Text (above 18pt) WCAG AA × Fail

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 77.8610, 0.2538, 0.3909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

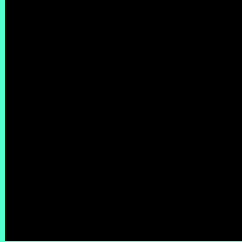
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8610, 0.2538, 0.3909

Background



This preview shows how black text looks on a background with the Yxy color 77.8610, 0.2538, 0.3909.

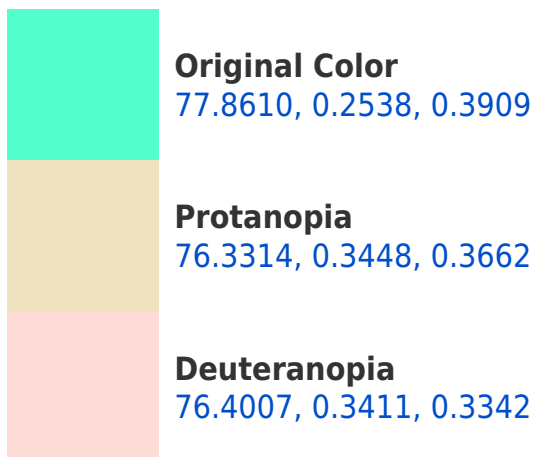


This preview shows how white text looks on a background with the Yxy color 77.8610, 0.2538, 0.3909.

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

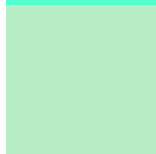
77.3997, 0.2573, 0.3131

Trichromacy



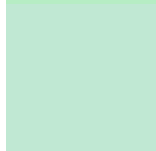
Original Color

77.8610, 0.2538, 0.3909



Protanomaly

74.4990, 0.3015, 0.3772



Deuteranomaly

73.6228, 0.2990, 0.3531



Tritanomaly

76.8513, 0.2545, 0.3395

Monochromacy



Original Color

77.8610, 0.2538, 0.3909



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

62.0482, 0.2821, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8610, 0.2538, 0.3909 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(84, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(84, 255, 206)  
}
```

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(84, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 77.8610, 0.2538, 0.3909 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(84, 255, 206) }
```

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

```
.border{ border-color:rgb(84, 255, 206) }
```

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

Here you see how a box with a 4 pixel rgb(84, 255, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(84, 255,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8610, 0.2538, 0.3909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 255, 206) }
```

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

```
.background{ background-color: rgb(84, 255,  
206) }
```

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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