

Converting Colors

$Y_{xy}(75.7768, 0.2427, 0.3489)$

Have a look what the booklet for
Yxy(75.7768, 0.2427, 0.3489)
contains.

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Color

Yxy(75.8082, 0.2427, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	5AF9E9
RGB	90, 249, 233
RGB Percent	35%, 98%, 91%
CMY	0.6472, 0.0235, 0.0863
CMYK	0.64, 0.00, 0.06, 0.02
HSL	174°, 93%, 66%
HSV	174°, 64%, 98%
XYZ	52.7938, 75.8082, 88.9251
YIQ	199.6350, -89.6280, -38.6840

Conversions

Conversions Part 2

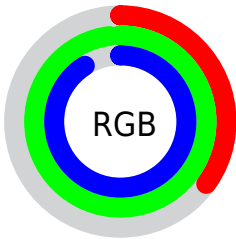
Format	Color
R _Y B	90, 174, 249
Decimal	5962217
CIE Lab	89.77, -44.90, -4.58
CIE LCh	90, 45.130, 185.830
Yxy	75.8082, 0.2427, 0.3485
Android (android.graphics.Color)	4284152297 (0xFF5AF9E9)
YUV	199.6350, 16.4489, -96.1499
Hunter-Lab	87.0679, -44.1349, 0.3929

Details

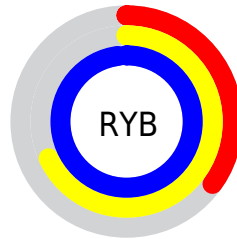
The Yxy color **75.8082, 0.2427, 0.3485** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **28.4864, 0.5005, 0.3146**, and the grayscale version is **57.4541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **40.8736, 0.2314, 0.3532** is the 20% darker color. If you saturate the color by 10%, you get **74.6230, 0.2378, 0.3520**, and if you desaturate by 10%, it is **77.4192, 0.2496, 0.3450**.

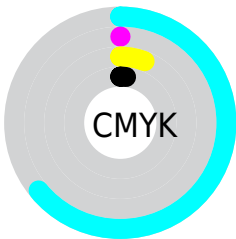
Distribution



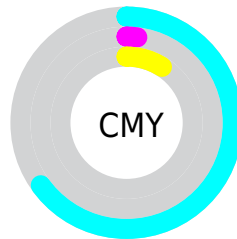
- Red (35%)
- Green (98%)
- Blue (91%)



- Red (35%)
- Yellow (68%)
- Blue (98%)



- Cyan (64%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)





- Cyan (65%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8082, 0.2427, 0.3485 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 75.8082, 0.2427, 0.3485 by changing the saturation by 10% instead.


 75.8082, 0.2427,
0.3485


 75.8082, 0.2427,
0.3485


480.6909, 0.2743,
0.3401


 56.2752, 0.2357,
0.3503


 127.4558, 0.2535,
0.3457


 40.4236, 0.2271,
0.3524


 160.3391, 0.2578,
0.3446

 27.8690, 0.2165,
0.3549


 198.4415, 0.2614,
0.3436

 18.2269, 0.2029,
0.3580

 242.1471, 0.2647,
0.3427

 11.1130, 0.1850,
0.3619

291.8405, 0.2675,
0.3420

 6.1429, 0.1606,
0.3666

347.9060, 0.2700,

 2.9322, 0.1259,

0.3413

0.3719

410.7280, 0.2723,
0.3406

■ 1.0964, 0.0000,
0.4062

■ 0.0000, 0.0000,
0.0000

■ 75.8082, 0.2427,
0.3485

■ 75.8082, 0.2427,
0.3485

■ 74.6230, 0.2378,
0.3520

■ 77.4192, 0.2496,
0.3450

■ 73.8112, 0.2348,
0.3555

■ 79.4850, 0.2583,
0.3417


■ 73.3223, 0.2337,
0.3590


■ 82.0418, 0.2687,
0.3384


■ 73.1349, 0.2336,
0.3611

■ 85.1202, 0.2805,
0.3354

 88.7478, 0.2934,
0.3326

 92.9507, 0.3072,
0.3299

 95.9542, 0.3156,
0.3275

 96.1131, 0.3141,
0.3251

 96.2377, 0.3130,
0.3233

Harmonies

Analogous

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



75.8082, 0.2855, 0.3991



75.8082, 0.2427, 0.3485



75.8082, 0.2192, 0.2964

Triad

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



75.8082, 0.2427, 0.3485



75.8082, 0.2807, 0.2494



75.8082, 0.4157, 0.3882

Complementary

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



75.8082, 0.2427, 0.3485



28.4864, 0.5005, 0.3146

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.



75.8082, 0.4162, 0.3473



75.8082, 0.2427, 0.3485



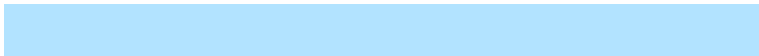
75.8082, 0.3342, 0.2713

Square

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



75.8082, 0.2427, 0.3485



75.8082, 0.2397, 0.2447



75.8082, 0.3854, 0.3059



75.8082, 0.3861, 0.4187

Rectangle

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



75.8082, 0.2427, 0.3485



75.8082, 0.2161, 0.2699



75.8082, 0.3854, 0.3059



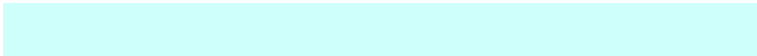
75.8082, 0.4194, 0.3752

Sweetspot

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



75.8111, 0.2427, 0.3485



91.6302, 0.2866, 0.3340



71.7153, 0.3109, 0.5313



19.3837, 0.2830, 0.3348



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.



75.8111, 0.2427, 0.3485



78.4496, 0.2366, 0.3531



44.9945, 0.2177, 0.2492



19.5767, 0.2994, 0.3314



39.1566, 0.2335, 0.3605



3.6350, 0.2323, 0.3564

Inverse Universe

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



28.4864, 0.5005, 0.3146



24.9084, 0.5602, 0.3159



42.9882, 0.4717, 0.3902



17.2536, 0.3278, 0.3266



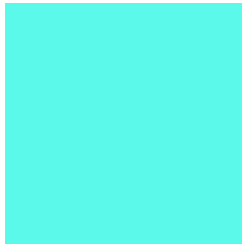
10.8276, 0.6286, 0.3236



1.0120, 0.6061, 0.3113

Previews

White Background



This preview shows how the Yxy color 75.8082, 0.2427, 0.3485 looks on a white background.

Color Contrast Check

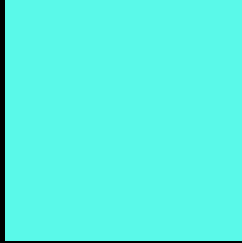
Large Text (above 18pt) WCAG AA × Fail

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 75.8082, 0.2427, 0.3485 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 75.8082, 0.2427, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 75.8082, 0.2427, 0.3485.

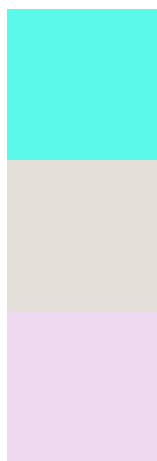


This preview shows how white text looks on a background with the Yxy color 75.8082, 0.2427, 0.3485.

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

75.8082, 0.2427, 0.3485

Protanopia

74.4953, 0.3203, 0.3344

Deuteranopia

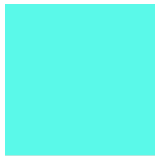
74.0941, 0.3124, 0.3054



Tritanopia

75.5599, 0.2512, 0.3117

Trichromacy



Original Color

75.8082, 0.2427, 0.3485



Protanomaly

72.5059, 0.2833, 0.3394



Deuteranomaly

72.3434, 0.2789, 0.3199



Tritanomaly

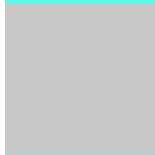
75.1766, 0.2470, 0.3241

Monochromacy



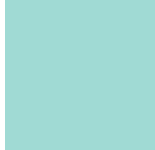
Original Color

75.8082, 0.2427, 0.3485



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.3699, 0.2775, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8082, 0.2427, 0.3485 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(90, 249, 233)` looks like.

```
.text, #text, p{  
    color:rgb(90, 249, 233)  
}
```

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(90, 249, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 249, 233) }
```

Border

The CSS property to change the border of an element to Yxy 75.8082, 0.2427, 0.3485 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(90, 249, 233) }
```

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

```
.border{ border-color:rgb(90, 249, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 249, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 249, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 249, 233);  
box-shadow:4px 4px 4px 4px rgb(90, 249,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8082, 0.2427, 0.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 249, 233) }
```

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

```
.background{ background-color: rgb(90, 249,  
233) }
```

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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