

Converting Colors

$Y_{xy}(71.7129, 0.2555, 0.3772)$

Have a look what the booklet for
Yxy(71.7129, 0.2555, 0.3772)
contains.

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Color

Yxy(71.8102, 0.2558, 0.3777)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 63F4CE |
| RGB | 99, 244, 206 |
| RGB Percent | 39%, 96%, 81% |
| CMY | 0.6118, 0.0431, 0.1922 |
| CMYK | 0.59, 0.00, 0.16, 0.04 |
| HSL | 164°, 87%, 67% |
| HSV | 164°, 59%, 96% |
| XYZ | 48.6340, 71.8102, 69.6808 |
| YIQ | 196.3130, -74.2220, -42.5580 |

Conversions

Conversions Part 2

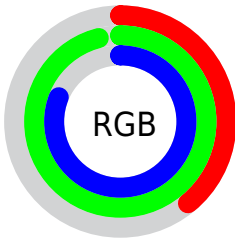
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 99, 182, 244 |
| Decimal | 6550734 |
| CIE _{Lab} | 87.88, -47.83, 6.75 |
| CIE _{LCh} | 88, 48.302, 171.970 |
| Yxy | 71.8102, 0.2558, 0.3777 |
| Android (android.graphics.Color) | 4284740814 (0xFF63F4CE) |
| YUV | 196.3130, 4.7757, -85.3435 |
| Hunter-Lab | 84.7409, -45.8530, 10.5656 |

Details

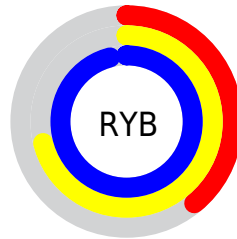
The Yxy color **71.8102, 0.2558, 0.3777** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **29.9619, 0.4482, 0.2902**, and the grayscale version is **55.4024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **37.8464, 0.2421, 0.3896** is the 20% darker color. If you saturate the color by 10%, you get **70.3357, 0.2512, 0.3875**, and if you desaturate by 10%, it is **73.7180, 0.2622, 0.3682**.

Distribution



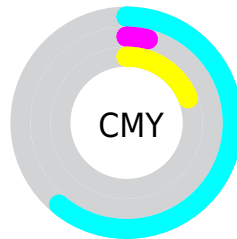
- Red (39%)
- Green (96%)
- Blue (81%)



- Red (39%)
- Yellow (71%)
- Blue (96%)



- Cyan (59%)
- Magenta (0%)
- Yellow (16%)
- Black (4%)





- Cyan (61%)
- Magenta (4%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8102, 0.2558, 0.3777 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 71.8102, 0.2558, 0.3777 by changing the saturation by 10% instead.

 71.8102, 0.2558,
0.3777

 71.8102, 0.2558,
0.3777


466.8807, 0.2824,
0.3545

 53.0036, 0.2497,
0.3831


 121.7866, 0.2650,
0.3695

 37.8057, 0.2421,
0.3900


 153.7253, 0.2686,
0.3664

 25.8319, 0.2326,
0.3987


 190.8102, 0.2717,
0.3637

 16.6979, 0.2200,
0.4104

233.4256, 0.2744,
0.3614

 10.0194, 0.2030,
0.4266

281.9559, 0.2768,
0.3593

 5.4118, 0.1786,
0.4506

336.7857, 0.2788,

 2.4908, 0.1404,

0.3575

0.4902

398.2991, 0.2807,
0.3560

■ 0.8720, 0.0000,
0.6460

■ 0.0000, 0.0000,
0.0000

■ 71.8102, 0.2558,
0.3777

■ 71.8102, 0.2558,
0.3777

■ 70.3357, 0.2512,
0.3875

■ 73.7180, 0.2622,
0.3682

■ 69.2472, 0.2487,
0.3975


■ 76.0846, 0.2703,
0.3591

■ 68.5014, 0.2481,
0.4074

■ 78.9436, 0.2798,
0.3505


■ 68.0260, 0.2493,
0.4172


■ 82.3226, 0.2903,
0.3425

 68.0023, 0.2494,
0.4177

 86.2476, 0.3016,
0.3352

 90.7425, 0.3134,
0.3286

 92.9158, 0.3158,
0.3225

 93.1855, 0.3132,
0.3185

Harmonies

Analogous

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



71.8102, 0.3086, 0.4238



71.8102, 0.2558, 0.3777



71.8102, 0.2202, 0.3179

Triad

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



71.8102, 0.2558, 0.3777



71.8102, 0.2550, 0.2382



71.8102, 0.4294, 0.3725

Complementary

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



71.8102, 0.2558, 0.3777



29.9619, 0.4482, 0.2902

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.



71.8102, 0.4139, 0.3272



71.8102, 0.2558, 0.3777



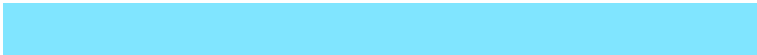
71.8102, 0.3081, 0.2538

Square

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



71.8102, 0.2558, 0.3777



71.8102, 0.2203, 0.2425



71.8102, 0.3677, 0.2853



71.8102, 0.4103, 0.4127

Rectangle

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



71.8102, 0.2558, 0.3777



71.8102, 0.2095, 0.2833



71.8102, 0.3677, 0.2853



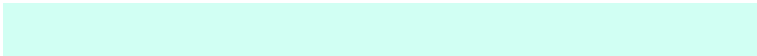
71.8102, 0.4282, 0.3575

Sweetspot

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



71.8130, 0.2558, 0.3777



91.5589, 0.2919, 0.3415



70.9803, 0.3236, 0.5101



19.3459, 0.2887, 0.3437



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.



71.8130, 0.2558, 0.3777



77.5051, 0.2506, 0.3892



55.3606, 0.2299, 0.2856



18.6793, 0.3016, 0.3353



36.9972, 0.2489, 0.4162



3.2685, 0.2455, 0.4038

Inverse Universe

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



29.9619, 0.4482, 0.2902



27.5416, 0.4925, 0.2876



36.8621, 0.4737, 0.3643



16.5538, 0.3252, 0.3228



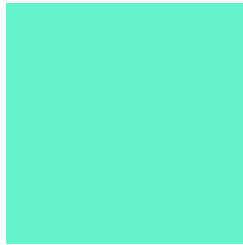
10.6780, 0.5892, 0.3020



0.9547, 0.5541, 0.2826

Previews

White Background



This preview shows how the Yxy color 71.8102, 0.2558, 0.3777 looks on a white background.

Color Contrast Check

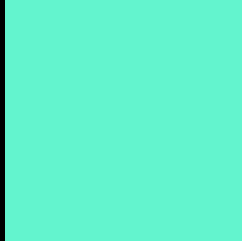
Large Text (above 18pt) WCAG AA × Fail

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 71.8102, 0.2558, 0.3777 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 71.8102, 0.2558, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 71.8102, 0.2558, 0.3777.



This preview shows how white text looks on a background with the Yxy color 71.8102, 0.2558, 0.3777.

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

71.8102, 0.2558, 0.3777

Protanopia

70.6066, 0.3388, 0.3575

Deuteranopia

70.2699, 0.3347, 0.3270



Tritanopia

71.3485, 0.2408, 0.3064

Trichromacy



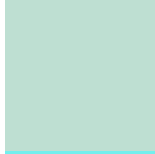
Original Color

71.8102, 0.2558, 0.3777



Protanomaly

68.9145, 0.3009, 0.3649



Deuteranomaly

68.3756, 0.2982, 0.3442



Tritanomaly

71.4248, 0.2462, 0.3312

Monochromacy



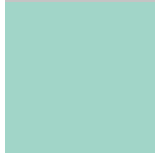
Original Color

71.8102, 0.2558, 0.3777



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

59.3357, 0.2848, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8102, 0.2558, 0.3777 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(99, 244, 206)` looks like.

```
.text, #text, p{  
    color:rgb(99, 244, 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(99, 244, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 244, 206) }
```

Border

The CSS property to change the border of an element to Yxy 71.8102, 0.2558, 0.3777 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(99, 244, 206) }
```

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

```
.border{ border-color:rgb(99, 244, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 244, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 244, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 244, 206);  
box-shadow:4px 4px 4px 4px rgb(99, 244,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8102, 0.2558, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 244, 206) }
```

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

```
.background{ background-color: rgb(99, 244,  
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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