

Converting Colors

$Y_{xy}(70.8069, 0.2607, 0.3978)$

Have a look what the booklet for
Yxy(70.8069, 0.2607, 0.3978)
contains.

Yxy(70.8426, 0.2609, 0.3986)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.8426, 0.2609, 0.3986)

Conversions

Conversions Part 1

Format	Color
Hex	5EF4BF
RGB	94, 244, 191
RGB Percent	37%, 96%, 75%
CMY	0.6314, 0.0431, 0.2510
CMYK	0.61, 0.00, 0.22, 0.04
HSL	159°, 87%, 66%
HSV	159°, 61%, 96%
XYZ	46.3694, 70.8426, 60.5166
YIQ	193.1080, -72.3870, -48.2830

Conversions

Conversions Part 2

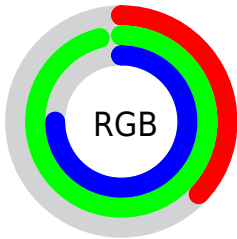
Format	Color
R _Y B	94, 185, 244
Decimal	6223039
CIE Lab	87.41, -52.11, 13.85
CIE LCh	87, 53.925, 165.114
Yxy	70.8426, 0.2609, 0.3986
Android (android.graphics.Color)	4284413119 (0xFF5EF4BF)
YUV	193.1080, -1.0392, -86.9177
Hunter-Lab	84.1680, -48.9559, 16.2883

Details

The Yxy color **70.8426, 0.2609, 0.3986** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **29.3452, 0.4364, 0.2749**, and the grayscale version is **53.4334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4035, 0.2628, 0.3378**, and **37.3756, 0.2489, 0.4161** is the 20% darker color. If you saturate the color by 10%, you get **69.3845, 0.2575, 0.4123**, and if you desaturate by 10%, it is **72.7362, 0.2662, 0.3853**.

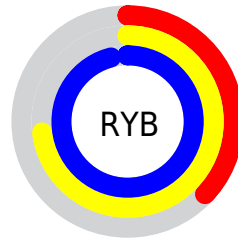
Distribution



Red (37%)

Green (96%)

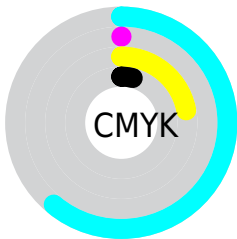
Blue (75%)



Red (37%)

Yellow (73%)

Blue (96%)

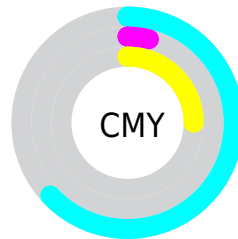


Cyan (61%)

Magenta (0%)

Yellow (22%)

Black (4%)



Cyan (63%)


Magenta (4%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8426, 0.2609, 0.3986 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 70.8426, 0.2609, 0.3986 by changing the saturation by 10% instead.


 70.8426, 0.2609,
0.3986


 70.8426, 0.2609,
0.3986


463.5030, 0.2856,
0.3647


 52.2138, 0.2551,
0.4068


 120.4096, 0.2696,
0.3865

 37.1755, 0.2478,
0.4171


 152.1165, 0.2730,
0.3819

 25.3434, 0.2385,
0.4305


 188.9516, 0.2758,
0.3780

 16.3331, 0.2260,
0.4486

 231.2992, 0.2783,
0.3746

 9.7602, 0.2088,
0.4744

279.5438, 0.2805,
0.3716

 5.2402, 0.1834,
0.5138

334.0697, 0.2824,

 2.3889, 0.1369,

0.3691

0.5844

395.2613, 0.2841,
0.3668

0.8202, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.8426, 0.2609,
0.3986

70.8426, 0.2609,
0.3986

69.3845, 0.2575,
0.4123

72.7362, 0.2662,
0.3853

68.3132, 0.2561,
0.4261


75.0919, 0.2731,
0.3725

67.5831, 0.2568,
0.4398


77.9441, 0.2814,
0.3606


67.1657, 0.2587,
0.4512

81.3213, 0.2907,
0.3495

 85.2498, 0.3007,
0.3394

 89.7543, 0.3112,
0.3303

 92.9520, 0.3154,
0.3220

 93.1846, 0.3132,
0.3185

Harmonies

Analogous

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



70.8426, 0.3220, 0.4432



70.8426, 0.2609, 0.3986



70.8426, 0.2167, 0.3309

Triad

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



70.8426, 0.2609, 0.3986



70.8426, 0.2376, 0.2277



70.8426, 0.4430, 0.3645

Complementary

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



70.8426, 0.2609, 0.3986



29.3452, 0.4364, 0.2749

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.



70.8426, 0.4170, 0.3150



70.8426, 0.2609, 0.3986



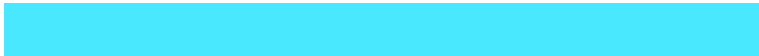
70.8426, 0.2923, 0.2403

Square

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



70.8426, 0.2609, 0.3986



70.8426, 0.2051, 0.2373



70.8426, 0.3592, 0.2712



70.8426, 0.4291, 0.4119

Rectangle

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



70.8426, 0.2609, 0.3986



70.8426, 0.2011, 0.2893



70.8426, 0.3592, 0.2712



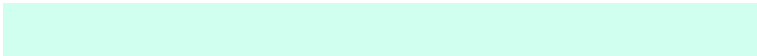
70.8426, 0.4388, 0.3478

Sweetspot

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



70.8454, 0.2609, 0.3986



91.3089, 0.2941, 0.3459



71.9021, 0.3325, 0.5111



19.2845, 0.2912, 0.3489



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.



70.8454, 0.2609, 0.3986



76.3333, 0.2569, 0.4160



62.2248, 0.2323, 0.3037



18.6526, 0.3028, 0.3375



36.5461, 0.2581, 0.4491



3.2315, 0.2534, 0.4322

Inverse Universe

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



29.3452, 0.4364, 0.2749



26.8845, 0.4782, 0.2710



32.0758, 0.4939, 0.3494



16.5792, 0.3238, 0.3207



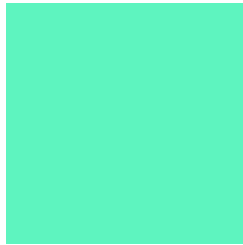
10.8487, 0.5565, 0.2840



0.9723, 0.5219, 0.2649

Previews

White Background



This preview shows how the Yxy color 70.8426, 0.2609, 0.3986 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 70.8426, 0.2609, 0.3986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

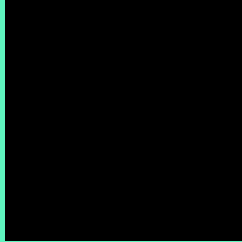
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8426, 0.2609, 0.3986

Background



This preview shows how black text looks on a background with the Yxy color 70.8426, 0.2609, 0.3986.



This preview shows how white text looks on a background with the Yxy color 70.8426, 0.2609, 0.3986.

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

70.8426, 0.2609, 0.3986

Protanopia

69.6631, 0.3497, 0.3720

Deuteranopia

69.5829, 0.3482, 0.3418



Tritanopia

70.3543, 0.2391, 0.3062

Trichromacy



Original Color

70.8426, 0.2609, 0.3986



Protanomaly

68.1808, 0.3089, 0.3824



Deuteranomaly

67.1298, 0.3077, 0.3611



Tritanomaly

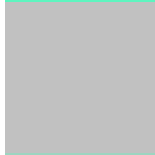
70.1698, 0.2468, 0.3375

Monochromacy



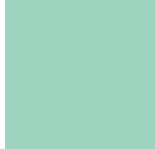
Original Color

70.8426, 0.2609, 0.3986



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

58.0608, 0.2870, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8426, 0.2609, 0.3986 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(94, 244, 191)` looks like.

```
.text, #text, p{  
    color:rgb(94, 244, 191)  
}
```

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(94, 244, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 244, 191) }
```

Border

The CSS property to change the border of an element to Yxy 70.8426, 0.2609, 0.3986 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(94, 244, 191) }
```

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

```
.border{ border-color:rgb(94, 244, 191) }
```

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

Here you see how a box with a 4 pixel rgb(94, 244, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 244, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 244, 191);  
box-shadow:4px 4px 4px 4px rgb(94, 244,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8426, 0.2609, 0.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 244, 191) }
```

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

```
.background{ background-color: rgb(94, 244,  
191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor