

Converting Colors

$Yxy(68.9282, 0.2431, 0.3739)$

Have a look what the booklet for
Yxy(68.9282, 0.2431, 0.3739)
contains.

Yxy(68.9282, 0.2431, 0.3739)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.9282, 0.2431, 0.3739)

Conversions

Conversions Part 1

Format	Color
Hex	39F2D0
RGB	57, 242, 208
RGB Percent	22%, 95%, 82%
CMY	0.7771, 0.0509, 0.1844
CMYK	0.77, 0.00, 0.14, 0.05
HSL	169°, 88%, 59%
HSV	169°, 77%, 95%
XYZ	44.8153, 68.9282, 70.6058
YIQ	182.8090, -99.3460, -49.7940

Conversions

Conversions Part 2

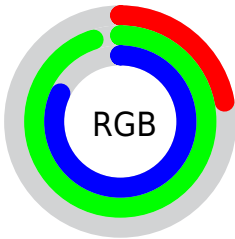
Format	Color
RYB	57, 159, 242
Decimal	3797712
CIELab	86.47, -52.51, 3.56
CIElCh	86, 52.631, 176.122
Yxy	68.9282, 0.2431, 0.3739
Android (android.graphics.Color)	4281987792 (0xFF39F2D0)
YUV	182.8090, 12.4192, -110.3345
Hunter-Lab	83.0230, -48.9371, 7.6937

Details

The Yxy color **68.9282, 0.2431, 0.3739** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.5421, 0.5356, 0.3021**, and the grayscale version is **47.1893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **37.0310, 0.2397, 0.3829** is the 20% darker color. If you saturate the color by 10%, you get **68.1674, 0.2413, 0.3806**, and if you desaturate by 10%, it is **70.0387, 0.2469, 0.3672**.

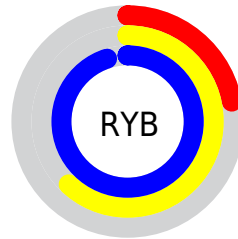
Distribution



Red (22%)

Green (95%)

Blue (82%)



Red (22%)

Yellow (62%)

Blue (95%)

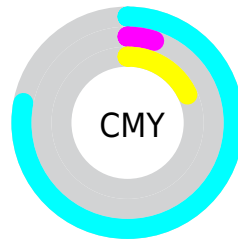


Cyan (77%)

Magenta (0%)

Yellow (14%)

Black (5%)



Cyan (78%)


Magenta (5%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9282, 0.2431, 0.3739 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 68.9282, 0.2431, 0.3739 by changing the saturation by 10% instead.


 68.9282, 0.2431,
0.3739

 68.9282, 0.2431,
0.3739

456.7777, 0.2755,
0.3527


 50.6532, 0.2357,
0.3788

 117.6790, 0.2544,
0.3665

 35.9327, 0.2265,
0.3850


 148.9237, 0.2587,
0.3636

 24.3822, 0.2150,
0.3928


 185.2603, 0.2625,
0.3611

 15.6174, 0.1999,
0.4032

 227.0734, 0.2658,
0.3590

 9.2538, 0.1796,
0.4174

274.7473, 0.2687,
0.3571

 4.9071, 0.1510,
0.4381

328.6664, 0.2712,

 2.1929, 0.0979,

0.3555

0.4763

389.2150, 0.2735,
0.3540

0.7161, 0.0000,
0.5743

0.0000, 0.0000,
0.0000

68.9282, 0.2431,
0.3739

68.9282, 0.2431,
0.3739

68.1674, 0.2413,
0.3806

70.0387, 0.2469,
0.3672


67.6948, 0.2413,
0.3873

71.5335, 0.2526,
0.3606


67.5688, 0.2416,
0.3896

73.4518, 0.2602,
0.3542


75.8256, 0.2695,
0.3480

 78.6840, 0.2801,
0.3423

 82.0536, 0.2918,
0.3369

 85.9591, 0.3043,
0.3320

 90.4234, 0.3173,
0.3275

 91.5506, 0.3175,
0.3232

Harmonies

Analogous

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



68.9282, 0.2988, 0.4298



68.9282, 0.2431, 0.3739



68.9282, 0.2081, 0.3074

Triad

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



68.9282, 0.2431, 0.3739



68.9282, 0.2562, 0.2312



68.9282, 0.4405, 0.3821

Complementary

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



68.9282, 0.2431, 0.3739



22.5421, 0.5356, 0.3021

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.



68.9282, 0.4293, 0.3329



68.9282, 0.2431, 0.3739



68.9282, 0.3163, 0.2508

Square

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



68.9282, 0.2431, 0.3739



68.9282, 0.2155, 0.2323



68.9282, 0.3818, 0.2868



68.9282, 0.4140, 0.4252

Rectangle

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



68.9282, 0.2431, 0.3739



68.9282, 0.1991, 0.2713



68.9282, 0.3818, 0.2868



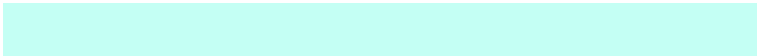
68.9282, 0.4412, 0.3659

Sweetspot

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



68.9309, 0.2431, 0.3739



89.8479, 0.2840, 0.3404



66.1790, 0.3145, 0.5611



18.9522, 0.2799, 0.3424



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.



68.9309, 0.2431, 0.3739



76.4209, 0.2411, 0.3844



42.5880, 0.2101, 0.2530



17.8762, 0.3005, 0.3334



36.3126, 0.2412, 0.3885



3.0337, 0.2388, 0.3797

Inverse Universe

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



22.5421, 0.5356, 0.3021



22.1392, 0.5943, 0.3102



30.8470, 0.5296, 0.3782



15.8063, 0.3264, 0.3247



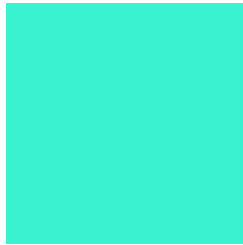
10.2550, 0.6115, 0.3143



0.8662, 0.5772, 0.2953

Previews

White Background



This preview shows how the Yxy color 68.9282, 0.2431, 0.3739 looks on a white background.

Color Contrast Check

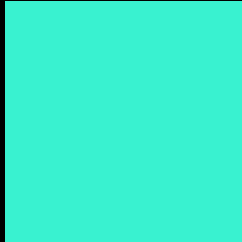
Large Text (above 18pt) WCAG AA × Fail

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 68.9282, 0.2431, 0.3739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

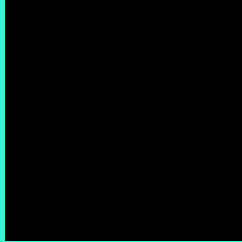
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

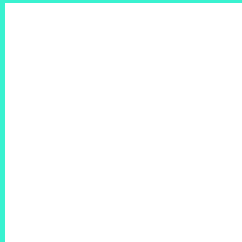
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9282, 0.2431, 0.3739

Background



This preview shows how black text looks on a background with the Yxy color 68.9282, 0.2431, 0.3739.

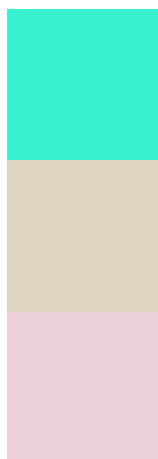


This preview shows how white text looks on a background with the Yxy color 68.9282, 0.2431, 0.3739.

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

68.9282, 0.2431, 0.3739

Protanopia

67.6314, 0.3341, 0.3525

Deuteranopia

67.6802, 0.3282, 0.3216



Tritanopia

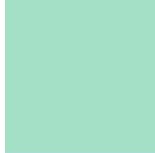
68.5680, 0.2287, 0.3045

Trichromacy



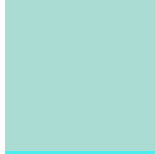
Original Color

68.9282, 0.2431, 0.3739



Protanomaly

65.1751, 0.2880, 0.3613



Deuteranomaly

64.4859, 0.2839, 0.3386



Tritanomaly

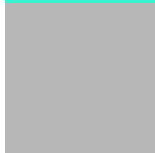
68.8180, 0.2337, 0.3288

Monochromacy



Original Color

68.9282, 0.2431, 0.3739



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

52.3099, 0.2734, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9282, 0.2431, 0.3739 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(57, 242, 208)` looks like.

```
.text, #text, p{  
    color:rgb(57, 242, 208)  
}
```

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(57, 242, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 242, 208) }
```

Border

The CSS property to change the border of an element to Yxy 68.9282, 0.2431, 0.3739 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(57, 242, 208) }
```

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

```
.border{ border-color:rgb(57, 242, 208) }
```

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

Here you see how a box with a 4 pixel rgb(57, 242, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 242, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 242, 208);  
box-shadow:4px 4px 4px 4px rgb(57, 242,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9282, 0.2431, 0.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 242, 208) }
```

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

```
.background{ background-color: rgb(57, 242,  
208) }
```

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