

Converting Colors

$Yxy(73.8467, 0.2451, 0.3820)$

Have a look what the booklet for
Yxy(73.8467, 0.2451, 0.3820)
contains.

Yxy(73.8445, 0.2451, 0.3820)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.8445, 0.2451, 0.3820)

Conversions

Conversions Part 1

Format	Color
Hex	39FAD1
RGB	57, 250, 209
RGB Percent	22%, 98%, 82%
CMY	0.7767, 0.0196, 0.1803
CMYK	0.77, 0.00, 0.16, 0.02
HSL	167°, 95%, 60%
HSV	167°, 77%, 98%
XYZ	47.3803, 73.8445, 72.0854
YIQ	187.6190, -101.8670, -53.6670

Conversions

Conversions Part 2

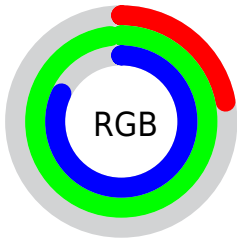
Format	Color
RYB	57, 165, 250
Decimal	3799761
CIELab	88.85, -55.48, 6.46
CIELCh	89, 55.859, 173.356
Yxy	73.8445, 0.2451, 0.3820
Android (android.graphics.Color)	4281989841 (0xFF39FAD1)
YUV	187.6190, 10.5408, -114.5529
Hunter-Lab	85.9328, -51.9638, 10.4171

Details

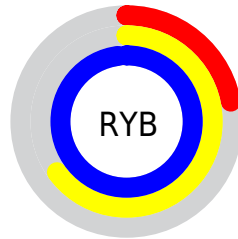
The Yxy color **73.8445, 0.2451, 0.3820** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.1276, 0.5310, 0.2973**, and the grayscale version is **50.0387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **40.0658, 0.2422, 0.3918** is the 20% darker color. If you saturate the color by 10%, you get **73.0266, 0.2437, 0.3899**, and if you desaturate by 10%, it is **75.0381, 0.2485, 0.3741**.

Distribution



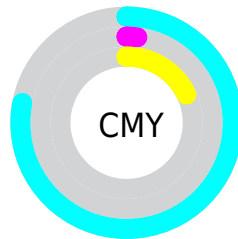
- Red (22%)
- Green (98%)
- Blue (82%)



- Red (22%)
- Yellow (65%)
- Blue (98%)



- Cyan (77%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)




- Cyan (78%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.8445, 0.2451, 0.3820 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 73.8445, 0.2451, 0.3820 by changing the saturation by 10% instead.


 73.8445, 0.2451,
0.3820

 73.8445, 0.2451,
0.3820


473.9365, 0.2764,
0.3570


 54.6668, 0.2380,
0.3878

 124.6754, 0.2559,
0.3732


 39.1350, 0.2292,
0.3951


 157.0973, 0.2602,
0.3698

 26.8648, 0.2182,
0.4044


 194.7027, 0.2638,
0.3669

 17.4717, 0.2039,
0.4166

 237.8761, 0.2670,
0.3644

 10.5714, 0.1847,
0.4335

287.0017, 0.2697,
0.3622

 5.7794, 0.1578,
0.4582

342.4641, 0.2722,

 2.7114, 0.1156,

0.3602

0.4985

404.6476, 0.2744,
0.3585

0.9830, 0.0000,
0.6152

0.0000, 0.0000,
0.0000

73.8445, 0.2451,
0.3820

73.8445, 0.2451,
0.3820

73.0266, 0.2437,
0.3899

75.0381, 0.2485,
0.3741


72.5151, 0.2441,
0.3977

76.6455, 0.2539,
0.3664


72.4023, 0.2444,
0.3998


78.7096, 0.2611,
0.3588


81.2655, 0.2700,
0.3516

 84.3449, 0.2803,
0.3449

 87.9768, 0.2916,
0.3386

 92.1880, 0.3037,
0.3328

 96.6302, 0.3150,
0.3276

 96.8547, 0.3129,
0.3242

Harmonies

Analogous

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



73.8445, 0.3040, 0.4375



73.8445, 0.2451, 0.3820



73.8445, 0.2068, 0.3123

Triad

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



73.8445, 0.2451, 0.3820



73.8445, 0.2493, 0.2273



73.8445, 0.4457, 0.3788

Complementary

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



73.8445, 0.2451, 0.3820



24.1276, 0.5310, 0.2973

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.



73.8445, 0.4305, 0.3281



73.8445, 0.2451, 0.3820



73.8445, 0.3100, 0.2456

Square

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



73.8445, 0.2451, 0.3820



73.8445, 0.2097, 0.2304



73.8445, 0.3784, 0.2813



73.8445, 0.4213, 0.4247

Rectangle

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



73.8445, 0.2451, 0.3820



73.8445, 0.1960, 0.2735



73.8445, 0.3784, 0.2813



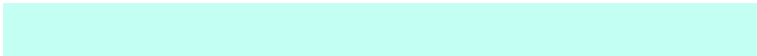
73.8445, 0.4453, 0.3619

Sweetspot

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



73.8474, 0.2451, 0.3820



89.7464, 0.2849, 0.3422



71.3101, 0.3156, 0.5620



18.9274, 0.2809, 0.3445



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.



73.8474, 0.2451, 0.3820



76.0378, 0.2437, 0.3945



46.9392, 0.2106, 0.2566



19.5418, 0.3009, 0.3341



38.4244, 0.2440, 0.3986



3.5740, 0.2415, 0.3892

Inverse Universe

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



24.1276, 0.5310, 0.2973



22.1076, 0.5892, 0.3065



32.1317, 0.5358, 0.3749



17.2855, 0.3260, 0.3240



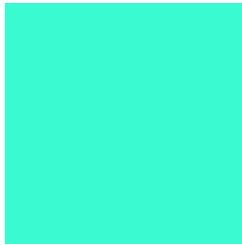
10.9342, 0.6045, 0.3103



1.0275, 0.5725, 0.2927

Previews

White Background



This preview shows how the Yxy color 73.8445, 0.2451, 0.3820 looks on a white background.

Color Contrast Check

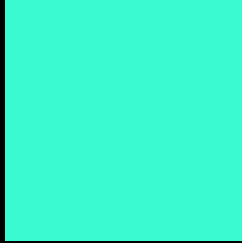
Large Text (above 18pt) WCAG AA × Fail

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 73.8445, 0.2451, 0.3820 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 73.8445, 0.2451, 0.3820

Background



This preview shows how black text looks on a background with the Yxy color 73.8445, 0.2451, 0.3820.

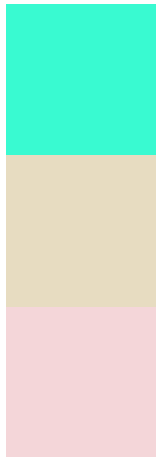


This preview shows how white text looks on a background with the Yxy color 73.8445, 0.2451, 0.3820.

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

73.8445, 0.2451, 0.3820

Protanopia

72.0256, 0.3392, 0.3584

Deuteranopia

72.3360, 0.3329, 0.3259



Tritanopia

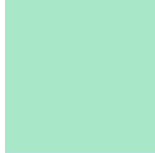
73.5422, 0.2438, 0.3102

Trichromacy



Original Color

73.8445, 0.2451, 0.3820



Protanomaly

69.6002, 0.2909, 0.3679



Deuteranomaly

69.0233, 0.2869, 0.3444



Tritanomaly

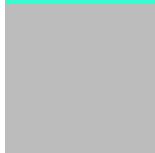
73.0990, 0.2426, 0.3349

Monochromacy



Original Color

73.8445, 0.2451, 0.3820



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

56.1495, 0.2738, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8445, 0.2451, 0.3820 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, 250, 209)` looks like.

```
.text, #text, p{  
    color:rgb(57, 250, 209)  
}
```

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, 250, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 250, 209) }
```

Border

The CSS property to change the border of an element to Yxy 73.8445, 0.2451, 0.3820 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, 250, 209) }
```

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

```
.border{ border-color:rgb(57, 250, 209) }
```

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

Here you see how a box with a 4 pixel rgb(57, 250, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 250, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 250, 209);  
box-shadow:4px 4px 4px 4px rgb(57, 250,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8445, 0.2451, 0.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 250, 209) }
```

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

```
.background{ background-color: rgb(57, 250,  
209) }
```

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