

Converting Colors

$Y_{xy}(70.0064, 0.2380, 0.3605)$

Have a look what the booklet for
Yxy(70.0064, 0.2380, 0.3605)
contains.

Yxy(69.9195, 0.2379, 0.3600)	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(69.9195, 0.2379, 0.3600)

Conversions

Conversions Part 1

Format	Color
Hex	33F3DB
RGB	51, 243, 219
RGB Percent	20%, 95%, 86%
CMY	0.7999, 0.0471, 0.1411
CMYK	0.79, 0.00, 0.10, 0.05
HSL	173°, 89%, 58%
HSV	173°, 79%, 95%
XYZ	46.2051, 69.9195, 78.0962
YIQ	182.8560, -106.7280, -48.1680

Conversions

Conversions Part 2

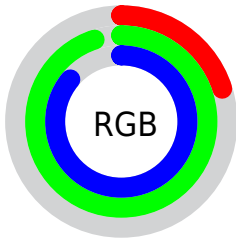
Format	Color
RYB	51, 153, 243
Decimal	3404763
CIELab	86.96, -50.64, -1.51
CIELCh	87, 50.658, 181.714
Yxy	69.9195, 0.2379, 0.3600
Android (android.graphics.Color)	4281594843 (0xFF33F3DB)
YUV	182.8560, 17.8190, -115.6377
Hunter-Lab	83.6179, -47.6967, 3.1577

Details

The Yxy color **69.9195, 0.2379, 0.3600** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.9325, 0.5618, 0.3126**, and the grayscale version is **47.2210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **37.7981, 0.2351, 0.3663** is the 20% darker color. If you saturate the color by 10%, you get **69.2886, 0.2361, 0.3644**, and if you desaturate by 10%, it is **70.8880, 0.2416, 0.3556**.

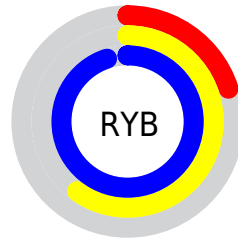
Distribution



Red (20%)

Green (95%)

Blue (86%)



Red (20%)

Yellow (60%)

Blue (95%)

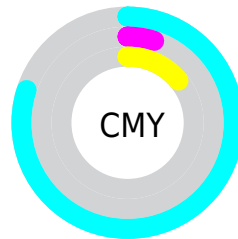


Cyan (79%)

Magenta (0%)

Yellow (10%)

Black (5%)



Cyan (80%)


Magenta (5%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9195, 0.2379, 0.3600 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 69.9195, 0.2379, 0.3600 by changing the saturation by 10% instead.


 69.9195, 0.2379,
0.3600

 69.9195, 0.2379,
0.3600


460.2673, 0.2723,
0.3459


 51.4609, 0.2301,
0.3631


 119.0939, 0.2498,
0.3552

 36.5756, 0.2206,
0.3670

 150.5786, 0.2544,
0.3533

 24.8790, 0.2087,
0.3718


 187.1741, 0.2584,
0.3516

 15.9870, 0.1933,
0.3778

 229.2647, 0.2619,
0.3502

 9.5149, 0.1728,
0.3858

277.2350, 0.2650,
0.3489

 5.0785, 0.1446,
0.3966

331.4692, 0.2677,

 2.2934, 0.0989,

0.3478

0.4137

392.3519, 0.2701,
0.3468

0.7702, 0.0000,
0.4492

0.0000, 0.0000,
0.0000

69.9195, 0.2379,
0.3600

69.9195, 0.2379,
0.3600

69.2886, 0.2361,
0.3644

70.8880, 0.2416,
0.3556


68.9195, 0.2359,
0.3687

72.2313, 0.2473,
0.3512


68.8885, 0.2359,
0.3692


73.9900, 0.2549,
0.3469


76.1975, 0.2643,
0.3428

 78.8839, 0.2752,
0.3389

 82.0766, 0.2873,
0.3352

 85.8008, 0.3004,
0.3318

 90.0801, 0.3141,
0.3287

 92.0364, 0.3185,
0.3258

Harmonies

Analogous

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



69.9195, 0.2887, 0.4174



69.9195, 0.2379, 0.3600



69.9195, 0.2085, 0.2980

Triad

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



69.9195, 0.2379, 0.3600



69.9195, 0.2681, 0.2369



69.9195, 0.4331, 0.3891

Complementary

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



69.9195, 0.2379, 0.3600



21.9325, 0.5618, 0.3126

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.



69.9195, 0.4293, 0.3420



69.9195, 0.2379, 0.3600



69.9195, 0.3282, 0.2591

Square

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



69.9195, 0.2379, 0.3600



69.9195, 0.2248, 0.2341



69.9195, 0.3894, 0.2962



69.9195, 0.4023, 0.4277

Rectangle

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



69.9195, 0.2379, 0.3600



69.9195, 0.2029, 0.2660



69.9195, 0.3894, 0.2962



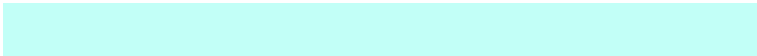
69.9195, 0.4361, 0.3738

Sweetspot

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



69.9222, 0.2379, 0.3600



89.7004, 0.2810, 0.3370



65.9031, 0.3088, 0.5703



18.9354, 0.2768, 0.3384



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.



69.9222, 0.2379, 0.3600



77.0262, 0.2358, 0.3671



36.9131, 0.2032, 0.2314



18.7201, 0.2997, 0.3320



37.8220, 0.2357, 0.3685



3.3340, 0.2342, 0.3630

Inverse Universe

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



21.9325, 0.5618, 0.3126



21.7159, 0.6167, 0.3203



33.0700, 0.5248, 0.3905



16.5162, 0.3274, 0.3261



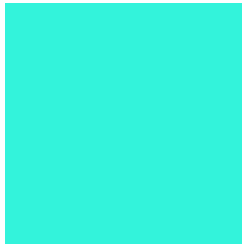
10.5208, 0.6244, 0.3213



0.9352, 0.5971, 0.3063

Previews

White Background



This preview shows how the Yxy color 69.9195, 0.2379, 0.3600 looks on a white background.

Color Contrast Check

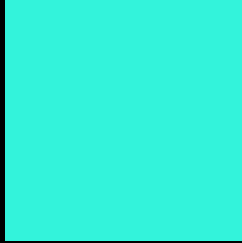
Large Text (above 18pt) WCAG AA × Fail

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 69.9195, 0.2379, 0.3600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

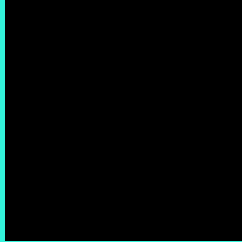
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.9195, 0.2379, 0.3600

Background



This preview shows how black text looks on a background with the Yxy color 69.9195, 0.2379, 0.3600.

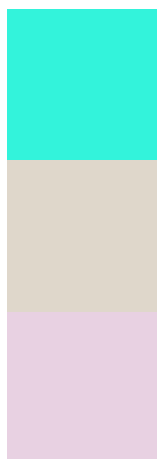


This preview shows how white text looks on a background with the Yxy color 69.9195, 0.2379, 0.3600.

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

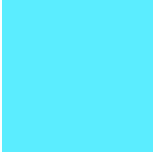
69.9195, 0.2379, 0.3600

Protanopia

68.6006, 0.3269, 0.3423

Deuteranopia

68.2477, 0.3180, 0.3109



Tritanopia

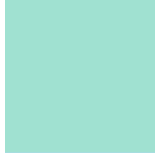
70.0125, 0.2309, 0.3071

Trichromacy



Original Color

69.9195, 0.2379, 0.3600



Protanomaly

65.9275, 0.2799, 0.3486



Deuteranomaly

65.1476, 0.2751, 0.3265



Tritanomaly

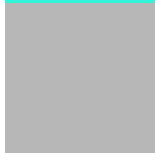
69.6803, 0.2326, 0.3250

Monochromacy



Original Color

69.9195, 0.2379, 0.3600



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

52.7991, 0.2699, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9195, 0.2379, 0.3600 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(51, 243, 219)` looks like.

```
.text, #text, p{  
    color:rgb(51, 243, 219)  
}
```

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(51, 243, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 243, 219) }
```

Border

The CSS property to change the border of an element to Yxy 69.9195, 0.2379, 0.3600 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(51, 243, 219) }
```

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

```
.border{ border-color:rgb(51, 243, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 243, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 243, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 243, 219);  
box-shadow:4px 4px 4px 4px rgb(51, 243,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9195, 0.2379, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 243, 219) }
```

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

```
.background{ background-color: rgb(51, 243,  
219) }
```

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