

Converting Colors

$Yxy(66.4061, 0.2390, 0.3803)$

Have a look what the booklet for
Yxy(66.4061, 0.2390, 0.3803)
contains.

Yxy(66.5909, 0.2391, 0.3806)	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(66.5909, 0.2391, 0.3806)

Conversions

Conversions Part 1

Format	Color
Hex	01F0CA
RGB	1, 240, 202
RGB Percent	0%, 94%, 79%
CMY	0.9966, 0.0588, 0.2078
CMYK	1.00, 0.00, 0.16, 0.06
HSL	170°, 99%, 47%
HSV	170°, 100%, 94%
XYZ	41.8336, 66.5909, 66.5384
YIQ	164.2070, -130.2460, -62.4860

Conversions

Conversions Part 2

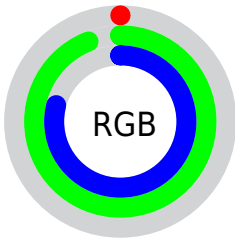
Format	Color
RYB	1, 131, 240
Decimal	127178
CIELab	85.30, -56.29, 4.93
CIELCh	85, 56.506, 174.995
Yxy	66.5909, 0.2391, 0.3806
Android (android.graphics.Color)	4278317258 (0xFF01F0CA)
YUV	164.2070, 18.6319, -143.1325
Hunter-Lab	81.6032, -51.2982, 8.7778

Details

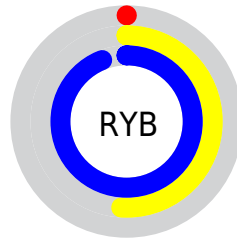
The Yxy color **66.5909, 0.2391, 0.3806** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **18.6904, 0.6196, 0.3189**, and the grayscale version is **37.1673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **36.0051, 0.2420, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **66.5812, 0.2391, 0.3808**, and if you desaturate by 10%, it is **66.9758, 0.2389, 0.3750**.

Distribution



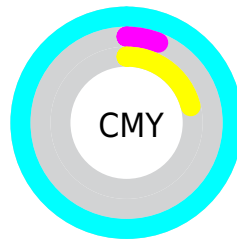
- Red (0%)
- Green (94%)
- Blue (79%)



- Red (0%)
- Yellow (51%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (6%)




- Cyan (100%)
- Magenta (6%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5909, 0.2391, 0.3806 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 66.5909, 0.2391, 0.3806 by changing the saturation by 10% instead.


 66.5909, 0.2391,
0.3806

 66.5909, 0.2391,
0.3806


448.4872, 0.2736,
0.3559

 48.7522, 0.2311,
0.3864


 114.3340, 0.2512,
0.3719


 34.4230, 0.2213,
0.3937


 145.0073, 0.2558,
0.3685


 23.2187, 0.2088,
0.4031


 180.7275, 0.2598,
0.3657

 14.7551, 0.1925,
0.4155

 221.8791, 0.2633,
0.3632

 8.6477, 0.1704,
0.4328

 268.8465, 0.2664,
0.3610

 4.5121, 0.1393,
0.4583

322.0140, 0.2691,

 1.9640, 0.0619,


0.3591

0.5163


381.7661, 0.2715,
0.3574


 0.5864, 0.0000,
0.6662

 0.0000, 0.0000,
0.0000


 66.5909, 0.2391,
0.3806

 66.5909, 0.2391,
0.3806

 66.5812, 0.2391,
0.3808

 66.9758, 0.2389,
0.3750

 67.6079, 0.2404,
0.3693

 68.5615, 0.2437,
0.3635

 69.8809, 0.2491,
0.3579

■ 71.6033, 0.2563,
0.3523

■ 73.7615, 0.2653,
0.3470

■ 76.3846, 0.2757,
0.3419

■ 79.4995, 0.2874,
0.3372

■ 83.1308, 0.3000,
0.3328

Harmonies

Analogous

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



66.5909, 0.2995, 0.4411



66.5909, 0.2391, 0.3806



66.5909, 0.2010, 0.3074

Triad

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



66.5909, 0.2391, 0.3806



66.5909, 0.2495, 0.2237



66.5909, 0.4513, 0.3831

Complementary

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



66.5909, 0.2391, 0.3806



18.6904, 0.6196, 0.3189

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.



66.5909, 0.4381, 0.3304



66.5909, 0.2391, 0.3806



66.5909, 0.3136, 0.2439

Square

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



66.5909, 0.2391, 0.3806



66.5909, 0.2071, 0.2254



66.5909, 0.3851, 0.2816



66.5909, 0.4234, 0.4307

Rectangle

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



66.5909, 0.2391, 0.3806



66.5909, 0.1909, 0.2679



66.5909, 0.3851, 0.2816



66.5909, 0.4518, 0.3656

Sweetspot

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



66.5935, 0.2391, 0.3806



87.5062, 0.2752, 0.3422



62.7903, 0.3045, 0.5962



18.4453, 0.2707, 0.3443



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.



66.5935, 0.2391, 0.3806



76.4005, 0.2392, 0.3810



31.5408, 0.1930, 0.2147



17.8833, 0.3002, 0.3328



36.4628, 0.2389, 0.3799



3.0448, 0.2368, 0.3724

Inverse Universe

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



18.6904, 0.6196, 0.3189



21.4166, 0.6210, 0.3195



24.3510, 0.5897, 0.3696



15.7998, 0.3268, 0.3253



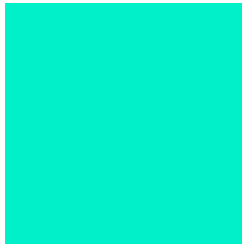
10.2305, 0.6174, 0.3175



0.8632, 0.5847, 0.2995

Previews

White Background



This preview shows how the Yxy color 66.5909, 0.2391, 0.3806 looks on a white background.

Color Contrast Check

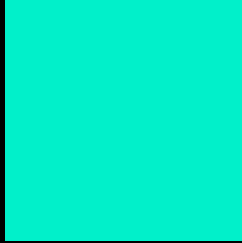
Large Text (above 18pt) WCAG AA × Fail

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 66.5909, 0.2391, 0.3806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

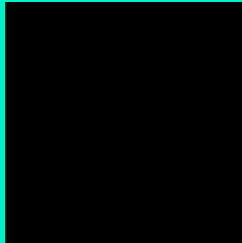
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.5909, 0.2391, 0.3806

Background



This preview shows how black text looks on a background with the Yxy color 66.5909, 0.2391, 0.3806.



This preview shows how white text looks on a background with the Yxy color 66.5909, 0.2391, 0.3806.

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

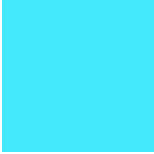
66.5909, 0.2391, 0.3806

Protanopia

65.5059, 0.3381, 0.3573

Deuteranopia

64.9947, 0.3300, 0.3225



Tritanopia

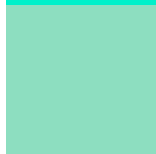
66.5350, 0.2252, 0.3052

Trichromacy



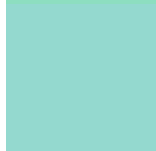
Original Color

66.5909, 0.2391, 0.3806



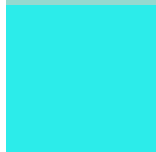
Protanomaly

61.7110, 0.2781, 0.3681



Deuteranomaly

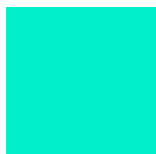
60.4266, 0.2730, 0.3417



Tritanomaly

66.4669, 0.2287, 0.3313

Monochromacy



Original Color

66.5909, 0.2391, 0.3806



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

43.9169, 0.2606, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5909, 0.2391, 0.3806 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(1, 240, 202)` looks like.

```
.text, #text, p{  
    color:rgb(1, 240, 202)  
}
```

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(1, 240, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 240, 202) }
```

Border

The CSS property to change the border of an element to Yxy 66.5909, 0.2391, 0.3806 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(1, 240, 202) }
```

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

```
.border{ border-color:rgb(1, 240, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 240, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 240, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 240, 202);  
box-shadow:4px 4px 4px 4px rgb(1, 240,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5909, 0.2391, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 240, 202) }
```

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

```
.background{ background-color: rgb(1, 240,  
202) }
```

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