

Converting Colors

$Y_{xy}(67.7679, 0.2378, 0.3760)$

Have a look what the booklet for
Yxy(67.7679, 0.2378, 0.3760)
contains.

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Color

Yxy(68.0093, 0.2378, 0.3759)

Conversions

Conversions Part 1

Format	Color
Hex	01F2CF
RGB	1, 242, 207
RGB Percent	0%, 95%, 81%
CMY	0.9960, 0.0510, 0.1882
CMYK	1.00, 0.00, 0.14, 0.05
HSL	171°, 99%, 48%
HSV	171°, 100%, 95%
XYZ	43.0237, 68.0093, 69.8909
YIQ	165.9510, -132.4010, -61.9770

Conversions

Conversions Part 2

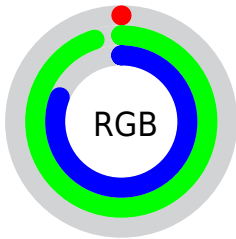
Format	Color
R _Y B	1, 131, 242
Decimal	127695
CIE Lab	86.01, -55.80, 3.36
CIE LCh	86, 55.897, 176.557
Yxy	68.0093, 0.2378, 0.3759
Android (android.graphics.Color)	4278317775 (0xFF01F2CF)
YUV	165.9510, 20.2372, -144.6620
Hunter-Lab	82.4678, -51.1945, 7.4795

Details

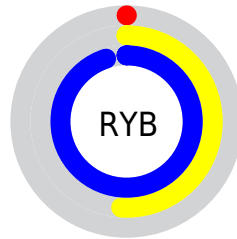
The Yxy color **68.0093, 0.2378, 0.3759** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **19.0258, 0.6223, 0.3205**, and the grayscale version is **38.0583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **36.9978, 0.2402, 0.3848** is the 20% darker color. If you saturate the color by 10%, you get **67.9980, 0.2378, 0.3761**, and if you desaturate by 10%, it is **68.3886, 0.2378, 0.3708**.

Distribution



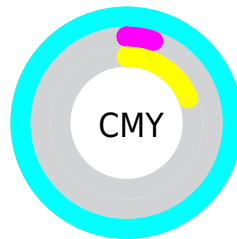
- Red (0%)
- Green (95%)
- Blue (81%)



- Red (0%)
- Yellow (51%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0093, 0.2378, 0.3759 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 68.0093, 0.2378, 0.3759 by changing the saturation by 10% instead.


 68.0093, 0.2378,
0.3759

 68.0093, 0.2378,
0.3759


453.5290, 0.2727,
0.3537


 49.9053, 0.2298,
0.3811


 116.3654, 0.2499,
0.3681


 35.3382, 0.2200,
0.3875


 147.3864, 0.2546,
0.3651

 23.9235, 0.2075,
0.3957

 183.4818, 0.2587,
0.3626

 15.2769, 0.1914,
0.4065

 225.0360, 0.2622,
0.3603

 9.0139, 0.1697,
0.4213

 272.4334, 0.2653,
0.3584

 4.7503, 0.1393,
0.4426

326.0584, 0.2681,

 2.1015, 0.0747,

0.3566

0.4865

386.2955, 0.2705,
0.3551

■ 0.6655, 0.0000,
0.5760

■ 0.0000, 0.0000,
0.0000

■ 68.0093, 0.2378,
0.3759

■ 68.0093, 0.2378,
0.3759

■ 67.9980, 0.2378,
0.3761

■ 68.3886, 0.2378,
0.3708

■ 69.0203, 0.2393,
0.3656

■ 69.9793, 0.2428,
0.3604

■ 71.3106, 0.2482,
0.3553

■ 73.0523, 0.2556,
0.3502

■ 75.2377, 0.2647,
0.3454

■ 77.8967, 0.2753,
0.3408

■ 81.0565, 0.2871,
0.3365

■ 84.7423, 0.2999,
0.3325

Harmonies

Analogous

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



68.0093, 0.2965, 0.4367



68.0093, 0.2378, 0.3759



68.0093, 0.2015, 0.3045

Triad

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



68.0093, 0.2378, 0.3759



68.0093, 0.2534, 0.2258



68.0093, 0.4485, 0.3851

Complementary

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



68.0093, 0.2378, 0.3759



19.0258, 0.6223, 0.3205

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.



68.0093, 0.4376, 0.3333



68.0093, 0.2378, 0.3759



68.0093, 0.3173, 0.2467

Square

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



68.0093, 0.2378, 0.3759



68.0093, 0.2103, 0.2264



68.0093, 0.3872, 0.2847



68.0093, 0.4193, 0.4312

Rectangle

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



68.0093, 0.2378, 0.3759



68.0093, 0.1925, 0.2665



68.0093, 0.3872, 0.2847



68.0093, 0.4497, 0.3679

Sweetspot

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



68.0119, 0.2378, 0.3759



87.5693, 0.2747, 0.3410



63.8989, 0.3038, 0.5968



18.4606, 0.2701, 0.3429



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.



68.0119, 0.2378, 0.3759



76.5804, 0.2379, 0.3763



30.7530, 0.1914, 0.2086



17.8872, 0.3000, 0.3324



36.5473, 0.2376, 0.3753



3.0511, 0.2357, 0.3685

Inverse Universe

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



19.0258, 0.6223, 0.3205



21.3938, 0.6237, 0.3209



25.4328, 0.5853, 0.3731



15.7962, 0.3270, 0.3256



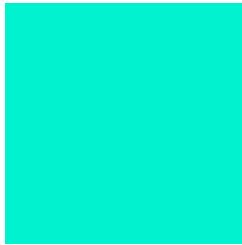
10.2186, 0.6203, 0.3191



0.8615, 0.5890, 0.3018

Previews

White Background



This preview shows how the Yxy color 68.0093, 0.2378, 0.3759 looks on a white background.

Color Contrast Check

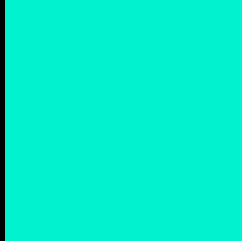
Large Text (above 18pt) WCAG AA × Fail

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 68.0093, 0.2378, 0.3759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

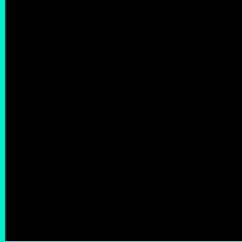
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0093, 0.2378, 0.3759

Background



This preview shows how black text looks on a background with the Yxy color 68.0093, 0.2378, 0.3759.

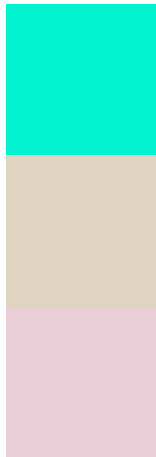


This preview shows how white text looks on a background with the Yxy color 68.0093, 0.2378, 0.3759.

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

68.0157, 0.2378, 0.3759

Protanopia

66.3782, 0.3351, 0.3526

Deuteranopia

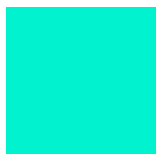
66.3725, 0.3269, 0.3194



Tritanopia

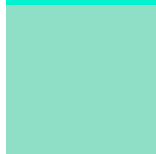
67.7657, 0.2249, 0.3054

Trichromacy



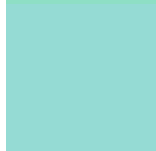
Original Color

68.0157, 0.2378, 0.3759



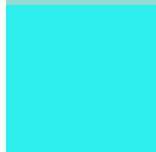
Protanomaly

62.5574, 0.2760, 0.3625



Deuteranomaly

61.8061, 0.2711, 0.3377



Tritanomaly

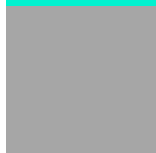
67.7771, 0.2282, 0.3300

Monochromacy



Original Color

68.0157, 0.2378, 0.3759



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

44.9839, 0.2599, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0093, 0.2378, 0.3759 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, 242, 207)` looks like.

```
.text, #text, p{  
    color:rgb(1, 242, 207)  
}
```

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, 242, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 242, 207) }
```

Border

The CSS property to change the border of an element to Yxy 68.0093, 0.2378, 0.3759 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, 242, 207) }
```

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

```
.border{ border-color:rgb(1, 242, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 242, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 242, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 242, 207);  
box-shadow:4px 4px 4px 4px rgb(1, 242,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0093, 0.2378, 0.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 242, 207) }
```

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

```
.background{ background-color: rgb(1, 242,  
207) }
```

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](#).

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