

Converting Colors

$Yxy(60.4691, 0.1799, 0.3791)$

Have a look what the booklet for
Yxy(60.4691, 0.1799, 0.3791)
contains.

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Color

Yxy(68.1077, 0.2370, 0.3731)

Conversions

Conversions Part 1

Format	Color
Hex	01F2D1
RGB	1, 242, 209
RGB Percent	0%, 95%, 82%
CMY	0.9979, 0.0510, 0.1805
CMYK	1.00, 0.00, 0.14, 0.05
HSL	172°, 100%, 48%
HSV	172°, 100%, 95%
XYZ	43.2633, 68.1077, 71.1745
YIQ	166.1790, -133.0430, -61.3550

Conversions

Conversions Part 2

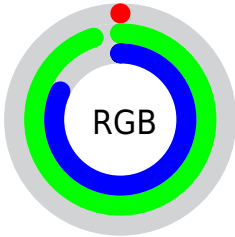
Format	Color
R _Y B	1, 130, 242
Decimal	127697
CIE Lab	86.06, -55.30, 2.39
CIE LCh	86, 55.348, 177.523
Yxy	68.1077, 0.2370, 0.3731
Android (android.graphics.Color)	4278317777 (0xFF01F2D1)
YUV	166.1790, 21.1108, -144.8620
Hunter-Lab	82.5274, -50.8480, 6.6354

Details

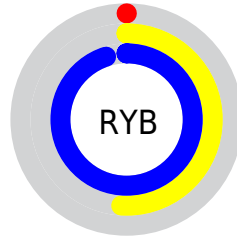
The Yxy color **68.1077, 0.2370, 0.3731** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **19.0018, 0.6244, 0.3215**, and the grayscale version is **38.0961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **37.0645, 0.2392, 0.3811** is the 20% darker color. If you saturate the color by 10%, you get **68.1032, 0.2370, 0.3732**, and if you desaturate by 10%, it is **68.4758, 0.2370, 0.3683**.

Distribution



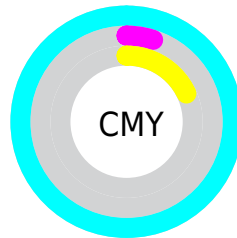
- Red (0%)
- Green (95%)
- Blue (82%)



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



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





- Cyan (100%)
- Magenta (5%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1077, 0.2370, 0.3731 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 68.1077, 0.2370, 0.3731 by changing the saturation by 10% instead.


 68.1077, 0.2370,
0.3731


 68.1077, 0.2370,
0.3731


453.8775, 0.2722,
0.3524

 49.9854, 0.2290,
0.3779


 116.5062, 0.2492,
0.3659

 35.4018, 0.2191,
0.3838


 147.5512, 0.2540,
0.3631


 23.9725, 0.2066,
0.3914


 183.6724, 0.2581,
0.3607

 15.3132, 0.1904,
0.4013

 225.2544, 0.2616,
0.3586

 9.0395, 0.1687,
0.4148

 272.6815, 0.2647,
0.3567

 4.7670, 0.1385,
0.4341

326.3382, 0.2675,

 2.1112, 0.0762,

0.3551

0.4729

386.6087, 0.2700,
0.3537

■ 0.6709, 0.0000,
0.5436

■ 0.0000, 0.0000,
0.0000

■ 68.1077, 0.2370,
0.3731

■ 68.1077, 0.2370,
0.3731

■ 68.1032, 0.2370,
0.3732

■ 68.4758, 0.2370,
0.3683

■ 69.0928, 0.2386,
0.3635

■ 70.0357, 0.2421,
0.3586

■ 71.3497, 0.2476,
0.3538

■ 73.0730, 0.2550,
0.3490

■ 75.2389, 0.2641,
0.3445

■ 77.8775, 0.2747,
0.3402

■ 81.0158, 0.2866,
0.3361

■ 84.6793, 0.2995,
0.3323

Harmonies

Analogous

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



68.1077, 0.2946, 0.4341



68.1077, 0.2370, 0.3731



68.1077, 0.2018, 0.3028

Triad

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



68.1077, 0.2370, 0.3731



68.1077, 0.2557, 0.2271



68.1077, 0.4468, 0.3864

Complementary

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



68.1077, 0.2370, 0.3731



19.0018, 0.6244, 0.3215

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.



68.1077, 0.4373, 0.3350



68.1077, 0.2370, 0.3731



68.1077, 0.3196, 0.2484

Square

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



68.1077, 0.2370, 0.3731



68.1077, 0.2122, 0.2269



68.1077, 0.3885, 0.2866



68.1077, 0.4169, 0.4316

Rectangle

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



68.1077, 0.2370, 0.3731



68.1077, 0.1935, 0.2657



68.1077, 0.3885, 0.2866



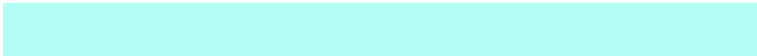
68.1077, 0.4484, 0.3694

Sweetspot

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



68.1103, 0.2370, 0.3731



87.6087, 0.2744, 0.3403



63.8943, 0.3037, 0.5969



18.4701, 0.2697, 0.3421



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.



68.1103, 0.2370, 0.3731



76.6943, 0.2370, 0.3733



30.6933, 0.1913, 0.2084



17.8896, 0.2999, 0.3322



36.6007, 0.2368, 0.3724



3.0550, 0.2350, 0.3661

Inverse Universe

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



19.0018, 0.6244, 0.3215



21.3806, 0.6253, 0.3218



25.3828, 0.5858, 0.3729



15.7940, 0.3272, 0.3258



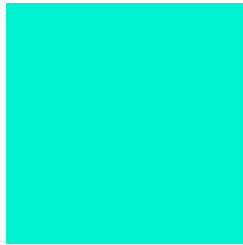
10.2117, 0.6220, 0.3200



0.8604, 0.5917, 0.3033

Previews

White Background



This preview shows how the Yxy color 68.1077, 0.2370, 0.3731 looks on a white background.

Color Contrast Check

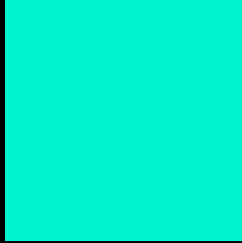
Large Text (above 18pt) WCAG AA × Fail

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 68.1077, 0.2370, 0.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

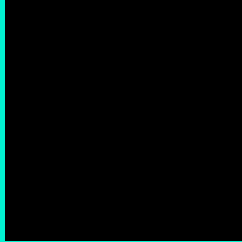
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.1077, 0.2370, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 68.1077, 0.2370, 0.3731.

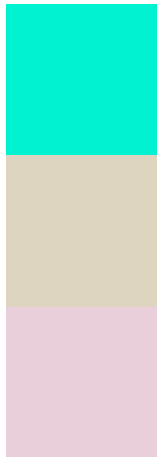


This preview shows how white text looks on a background with the Yxy color 68.1077, 0.2370, 0.3731.

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

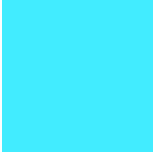
68.1142, 0.2370, 0.3731

Protanopia

66.9684, 0.3335, 0.3515

Deuteranopia

66.7912, 0.3246, 0.3183



Tritanopia

68.3692, 0.2247, 0.3055

Trichromacy



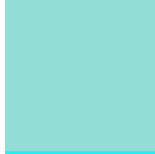
Original Color

68.1142, 0.2370, 0.3731



Protanomaly

63.0976, 0.2744, 0.3611



Deuteranomaly

62.3373, 0.2695, 0.3364



Tritanomaly

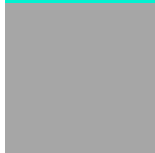
67.8144, 0.2277, 0.3287

Monochromacy



Original Color

68.1142, 0.2370, 0.3731



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

45.0251, 0.2593, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1077, 0.2370, 0.3731 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(1, 242, 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(1, 242, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 242, 209) }
```

Border

The CSS property to change the border of an element to Yxy 68.1077, 0.2370, 0.3731 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, 209) }
```

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

```
.border{ border-color:rgb(1, 242, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 242, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 242, 209);  
box-shadow:4px 4px 4px 4px rgb(1, 242,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1077, 0.2370, 0.3731 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, 209) }
```

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

```
.background{ background-color: rgb(1, 242,  
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](#).

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