

Converting Colors

$Yxy(66.8699, 0.2280, 0.3605)$

Have a look what the booklet for
Yxy(66.8699, 0.2280, 0.3605)
contains.

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Color

Yxy(67.9203, 0.2335, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	00F1D9
RGB	0, 241, 217
RGB Percent	0%, 95%, 85%
CMY	1.0000, 0.0549, 0.1489
CMYK	1.00, 0.00, 0.10, 0.05
HSL	174°, 100%, 47%
HSV	174°, 100%, 95%
XYZ	43.9806, 67.9203, 76.4527
YIQ	166.2050, -135.9320, -58.5560

Conversions

Conversions Part 2

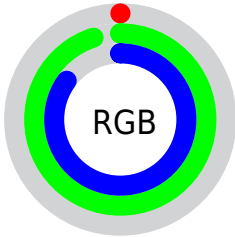
Format	Color
RYB	0, 127, 241
Decimal	61913
CIELab	85.97, -52.78, -1.96
CIELCh	86, 52.815, 182.125
Yxy	67.9203, 0.2335, 0.3606
Android (android.graphics.Color)	4278251993 (0xFF00F1D9)
YUV	166.2050, 25.0419, -145.7618
Hunter-Lab	82.4138, -48.9666, 2.6881

Details

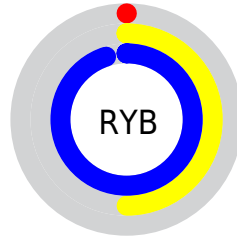
The Yxy color **67.9203, 0.2335, 0.3606** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **18.7672, 0.6308, 0.3248**, and the grayscale version is **38.1654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **36.8896, 0.2352, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **67.9235, 0.2335, 0.3606**, and if you desaturate by 10%, it is **68.2447, 0.2339, 0.3572**.

Distribution



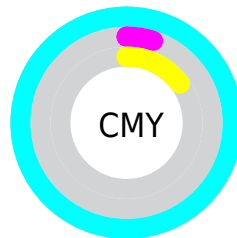
- Red (0%)
- Green (95%)
- Blue (85%)



- Red (0%)
- Yellow (50%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9203, 0.2335, 0.3606 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 67.9203, 0.2335, 0.3606 by changing the saturation by 10% instead.


 67.9203, 0.2335,
0.3606

 67.9203, 0.2335,
0.3606


453.2136, 0.2700,
0.3462

 49.8329, 0.2252,
0.3638


 116.2381, 0.2461,
0.3557


 35.2806, 0.2151,
0.3677


 147.2373, 0.2511,
0.3537


 23.8791, 0.2023,
0.3725


 183.3093, 0.2553,
0.3521

 15.2440, 0.1859,
0.3787

 224.8383, 0.2590,
0.3506

 8.9908, 0.1641,
0.3867

 272.2089, 0.2623,
0.3493

 4.7352, 0.1341,
0.3973

325.8053, 0.2652,

 2.0927, 0.0781,

0.3482

0.4173

386.0121, 0.2677,
0.3472

■ 0.6605, 0.0000,
0.4355

■ 0.0000, 0.0000,
0.0000

■ 67.9203, 0.2335,
0.3606

■ 67.9203, 0.2335,
0.3606

■ 67.9235, 0.2335,
0.3606


■ 68.2447, 0.2339,
0.3572


■ 68.8101, 0.2357,
0.3538

■ 69.6955, 0.2394,
0.3503


■ 70.9460, 0.2451,
0.3469

 72.5994, 0.2527,
0.3435

 74.6890, 0.2621,
0.3402

 77.2442, 0.2731,
0.3371

 80.2922, 0.2854,
0.3342

 83.8580, 0.2987,
0.3315

Harmonies

Analogous

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



67.9203, 0.2863, 0.4219



67.9203, 0.2335, 0.3606



67.9203, 0.2034, 0.2952

Triad

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



67.9203, 0.2335, 0.3606



67.9203, 0.2666, 0.2329



67.9203, 0.4389, 0.3920

Complementary

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



67.9203, 0.2335, 0.3606



18.7672, 0.6308, 0.3248

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.



67.9203, 0.4358, 0.3428



67.9203, 0.2335, 0.3606



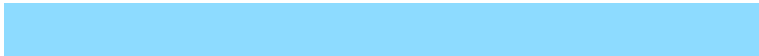
67.9203, 0.3298, 0.2563

Square

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



67.9203, 0.2335, 0.3606



67.9203, 0.2211, 0.2295



67.9203, 0.3942, 0.2951



67.9203, 0.4058, 0.4327

Rectangle

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



67.9203, 0.2335, 0.3606



67.9203, 0.1979, 0.2620



67.9203, 0.3942, 0.2951



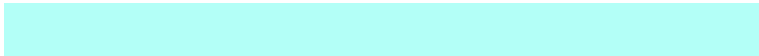
67.9203, 0.4424, 0.3759

Sweetspot

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



67.9235, 0.2335, 0.3606



87.7836, 0.2730, 0.3371



63.1079, 0.3019, 0.5985



18.5126, 0.2682, 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.



67.9235, 0.2335, 0.3606



77.2123, 0.2335, 0.3607



26.4804, 0.1861, 0.1900



17.9003, 0.2994, 0.3313



36.8438, 0.2334, 0.3600



3.0728, 0.2321, 0.3555

Inverse Universe

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



18.7672, 0.6308, 0.3248



21.3318, 0.6311, 0.3250



27.1405, 0.5725, 0.3837



15.7844, 0.3278, 0.3267



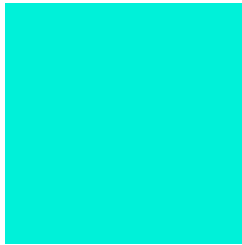
10.1856, 0.6285, 0.3236



0.8559, 0.6039, 0.3100

Previews

White Background



This preview shows how the Yxy color 67.9203, 0.2335, 0.3606 looks on a white background.

Color Contrast Check

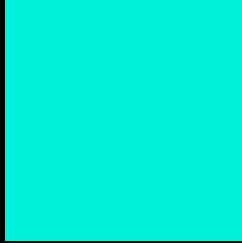
Large Text (above 18pt) WCAG AA × Fail

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 67.9203, 0.2335, 0.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

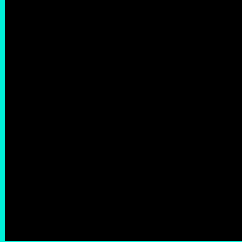
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9203, 0.2335, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 67.9203, 0.2335, 0.3606.

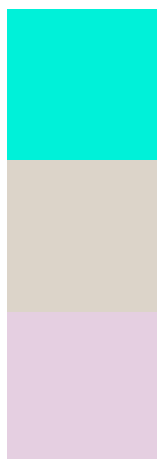


This preview shows how white text looks on a background with the Yxy color 67.9203, 0.2335, 0.3606.

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

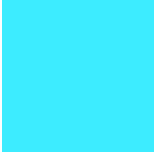
67.9203, 0.2335, 0.3606

Protanopia

66.5197, 0.3264, 0.3414

Deuteranopia

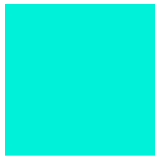
66.7199, 0.3166, 0.3097



Tritanopia

68.2030, 0.2238, 0.3054

Trichromacy



Original Color

67.9203, 0.2335, 0.3606



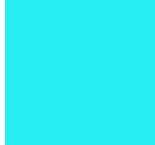
Protanomaly

62.8558, 0.2694, 0.3493



Deuteranomaly

62.0480, 0.2639, 0.3251



Tritanomaly

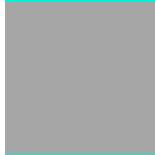
67.9313, 0.2262, 0.3249

Monochromacy



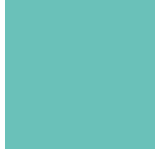
Original Color

67.9203, 0.2335, 0.3606



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

44.7069, 0.2573, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9203, 0.2335, 0.3606 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(0, 241, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 241, 217)  
}
```

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(0, 241, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 241, 217) }
```

Border

The CSS property to change the border of an element to Yxy 67.9203, 0.2335, 0.3606 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(0, 241, 217) }
```

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

```
.border{ border-color:rgb(0, 241, 217) }
```

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

Here you see how a box with a 4 pixel rgb(0, 241, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 241, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 241, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 241,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9203, 0.2335, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 241, 217) }
```

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

```
.background{ background-color: rgb(0, 241,  
217) }
```

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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