

Converting Colors

$Y_{xy}(68.9088, 0.2268, 0.3365)$

Have a look what the booklet for
Yxy(68.9088, 0.2268, 0.3365)
contains.

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Color

Yxy(68.9088, 0.2268, 0.3365)

Conversions

Conversions Part 1

Format	Color
Hex	00F1EB
RGB	0, 241, 235
RGB Percent	0%, 95%, 92%
CMY	1.0000, 0.0549, 0.0785
CMYK	1.00, 0.00, 0.03, 0.05
HSL	178°, 100%, 47%
HSV	178°, 100%, 95%
XYZ	46.4443, 68.9088, 89.4279
YIQ	168.2570, -141.7100, -52.9580

Conversions

Conversions Part 2

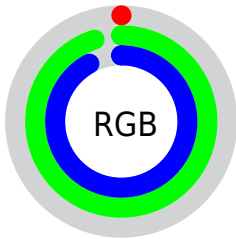
Format	Color
RYB	0, 122, 241
Decimal	61931
CIELab	86.46, -47.81, -10.65
CIELCh	86, 48.981, 192.553
Yxy	68.9088, 0.2268, 0.3365
Android (android.graphics.Color)	4278252011 (0xFF00F1EB)
YUV	168.2570, 32.9043, -147.5614
Hunter-Lab	83.0113, -45.4002, -5.7650

Details

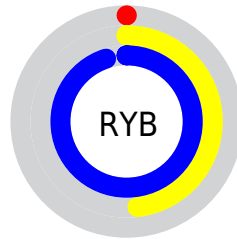
The Yxy color **68.9088, 0.2268, 0.3365** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **18.7158, 0.6382, 0.3289**, and the grayscale version is **39.1794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **37.5357, 0.2270, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **68.9130, 0.2268, 0.3365**, and if you desaturate by 10%, it is **69.1434, 0.2278, 0.3357**.

Distribution



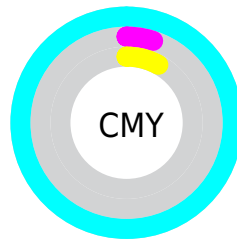
- Red (0%)
- Green (95%)
- Blue (92%)



- Red (0%)
- Yellow (48%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9088, 0.2268, 0.3365 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 68.9088, 0.2268, 0.3365 by changing the saturation by 10% instead.


 68.9088, 0.2268,
0.3365

 68.9088, 0.2268,
0.3365

456.7093, 0.2658,
0.3342

 50.6374, 0.2181,
0.3367


 117.6513, 0.2401,
0.3359

 35.9201, 0.2076,
0.3369


 148.8912, 0.2454,
0.3356


 24.3725, 0.1945,
0.3368


 185.2228, 0.2499,
0.3354

 15.6102, 0.1778,
0.3363

 227.0304, 0.2539,
0.3351

 9.2487, 0.1561,
0.3349

 274.6985, 0.2574,
0.3348

 4.9038, 0.1269,
0.3312

328.6114, 0.2605,

 2.1909, 0.0833,

0.3346

0.3232

389.1535, 0.2633,
0.3344

0.7150, 0.0000,
0.3039

0.0000, 0.0000,
0.0000

68.9088, 0.2268,
0.3365

68.9088, 0.2268,
0.3365

68.9130, 0.2268,
0.3365

69.1434, 0.2278,
0.3357

69.6164, 0.2302,
0.3349

70.4077, 0.2344,
0.3341

71.5623, 0.2406,
0.3333

■ 73.1183, 0.2487,
0.3325

■ 75.1086, 0.2587,
0.3317

■ 77.5629, 0.2704,
0.3309

■ 80.5082, 0.2834,
0.3302

■ 83.9697, 0.2977,
0.3296

Harmonies

Analogous

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



68.9088, 0.2698, 0.3970



68.9088, 0.2268, 0.3365



68.9088, 0.2068, 0.2809

Triad

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



68.9088, 0.2268, 0.3365



68.9088, 0.2892, 0.2450



68.9088, 0.4225, 0.4030

Complementary

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



68.9088, 0.2268, 0.3365



18.7158, 0.6382, 0.3289

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.



68.9088, 0.4316, 0.3588



68.9088, 0.2268, 0.3365



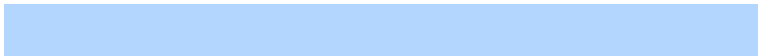
68.9088, 0.3503, 0.2726

Square

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



68.9088, 0.2268, 0.3365



68.9088, 0.2399, 0.2350



68.9088, 0.4046, 0.3128



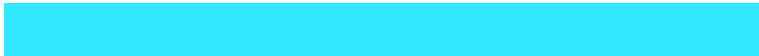
68.9088, 0.3831, 0.4337

Rectangle

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



68.9088, 0.2268, 0.3365



68.9088, 0.2072, 0.2552



68.9088, 0.4046, 0.3128



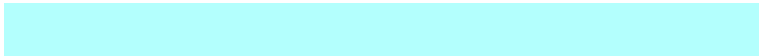
68.9088, 0.4294, 0.3890

Sweetspot

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



68.9130, 0.2268, 0.3365



88.1414, 0.2703, 0.3309



62.9683, 0.3005, 0.5996



18.5996, 0.2651, 0.3312



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.



68.9130, 0.2268, 0.3365



78.3354, 0.2268, 0.3365



21.9307, 0.1796, 0.1664



17.9217, 0.2984, 0.3296



37.3697, 0.2268, 0.3364



3.1110, 0.2265, 0.3353

Inverse Universe

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



18.7158, 0.6382, 0.3289



21.2740, 0.6383, 0.3290



30.3951, 0.5531, 0.3991



15.7653, 0.3289, 0.3285



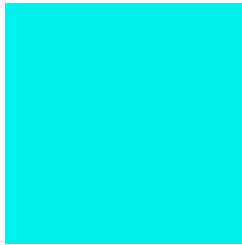
10.1511, 0.6374, 0.3285



0.8467, 0.6304, 0.3247

Previews

White Background



This preview shows how the Yxy color 68.9088, 0.2268, 0.3365 looks on a white background.

Color Contrast Check

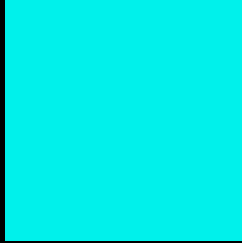
Large Text (above 18pt) WCAG AA × Fail

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 68.9088, 0.2268, 0.3365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

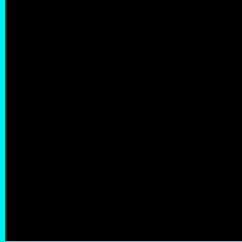
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

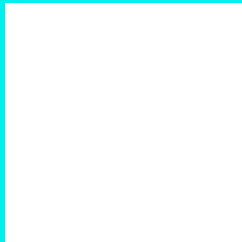
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9088, 0.2268, 0.3365

Background



This preview shows how black text looks on a background with the Yxy color 68.9088, 0.2268, 0.3365.

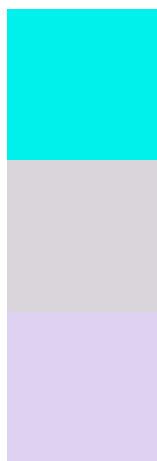


This preview shows how white text looks on a background with the Yxy color 68.9088, 0.2268, 0.3365.

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

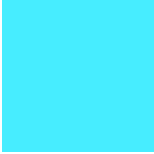
68.9088, 0.2268, 0.3365

Protanopia

67.4022, 0.3122, 0.3235

Deuteranopia

67.5413, 0.2999, 0.2938



Tritanopia

69.1280, 0.2260, 0.3068

Trichromacy



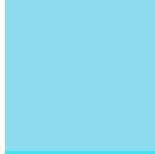
Original Color

68.9088, 0.2268, 0.3365



Protanomaly

63.5604, 0.2594, 0.3276



Deuteranomaly

63.6076, 0.2530, 0.3070



Tritanomaly

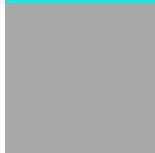
68.4843, 0.2244, 0.3163

Monochromacy



Original Color

68.9088, 0.2268, 0.3365



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

45.9618, 0.2544, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9088, 0.2268, 0.3365 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, 235)` looks like.

```
.text, #text, p{  
  color:rgb(0, 241, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 241, 235) }
```

Border

The CSS property to change the border of an element to Yxy 68.9088, 0.2268, 0.3365 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, 235) }
```

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

```
.border{ border-color:rgb(0, 241, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 241, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 241, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 241,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9088, 0.2268, 0.3365 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, 235) }
```

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

```
.background{ background-color: rgb(0, 241,  
235) }
```

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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