

Converting Colors

$Yxy(68.4630, 0.2333, 0.3597)$

Have a look what the booklet for
Yxy(68.4630, 0.2333, 0.3597)
contains.

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Color

Yxy(68.5727, 0.2335, 0.3605)

Conversions

Conversions Part 1

Format	Color
Hex	01F2DA
RGB	1, 242, 218
RGB Percent	0%, 95%, 85%
CMY	0.9978, 0.0509, 0.1451
CMYK	1.00, 0.00, 0.10, 0.05
HSL	174°, 100%, 48%
HSV	174°, 100%, 95%
XYZ	44.4153, 68.5727, 77.2275
YIQ	167.2050, -135.9320, -58.5560

Conversions

Conversions Part 2

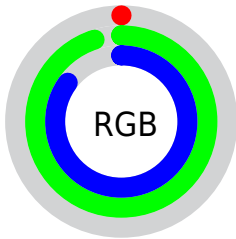
Format	Color
R_{YB}	1, 128, 242
Decimal	127706
CIE _{Lab}	86.29, -52.91, -2.00
CIE _{LCh}	86, 52.949, 182.160
Yxy	68.5727, 0.2335, 0.3605
Android (android.graphics.Color)	4278317786 (0xFF01F2DA)
YUV	167.2050, 25.0419, -145.7618
Hunter-Lab	82.8086, -49.1747, 2.6721

Details

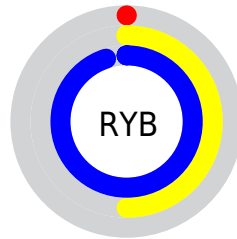
The Yxy color **68.5727, 0.2335, 0.3605** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **18.9590, 0.6304, 0.3248**, and the grayscale version is **38.6076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **37.3423, 0.2351, 0.3665** is the 20% darker color. If you saturate the color by 10%, you get **68.5689, 0.2335, 0.3606**, and if you desaturate by 10%, it is **68.9022, 0.2339, 0.3571**.

Distribution



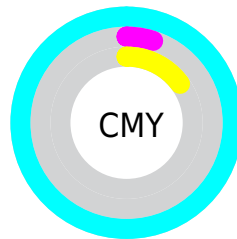
- Red (0%)
- Green (95%)
- Blue (85%)



- 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 68.5727, 0.2335, 0.3605 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 68.5727, 0.2335, 0.3605 by changing the saturation by 10% instead.


 68.5727, 0.2335,
0.3605

 68.5727, 0.2335,
0.3605


455.5225, 0.2700,
0.3462


 50.3638, 0.2253,
0.3637

 117.1711, 0.2461,
0.3556


 35.7025, 0.2152,
0.3675


 148.3293, 0.2510,
0.3537


 24.2046, 0.2025,
0.3723


 184.5728, 0.2553,
0.3520

 15.4854, 0.1862,
0.3784

 226.2859, 0.2590,
0.3506

 9.1608, 0.1645,
0.3863

 273.8530, 0.2622,
0.3493

 4.8462, 0.1348,
0.3967

327.6585, 0.2651,

 2.1573, 0.0814,

0.3481

0.4156

388.0869, 0.2677,
0.3471

■ 0.6966, 0.0000,
0.4368

■ 0.0000, 0.0000,
0.0000

■ 68.5727, 0.2335,
0.3605

■ 68.5727, 0.2335,
0.3605


■ 68.5689, 0.2335,
0.3606

■ 68.9022, 0.2339,
0.3571


■ 69.4791, 0.2358,
0.3537

■ 70.3804, 0.2395,
0.3502

■ 71.6512, 0.2453,
0.3468

 73.3298, 0.2529,
0.3434

 75.4494, 0.2624,
0.3402

 78.0400, 0.2734,
0.3370

 81.1289, 0.2857,
0.3341

 84.7412, 0.2990,
0.3314

Harmonies

Analogous

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



68.5727, 0.2863, 0.4218



68.5727, 0.2335, 0.3605



68.5727, 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.



68.5727, 0.2335, 0.3605



68.5727, 0.2667, 0.2330



68.5727, 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.



68.5727, 0.2335, 0.3605



18.9590, 0.6304, 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.



68.5727, 0.4357, 0.3429



68.5727, 0.2335, 0.3605



68.5727, 0.3298, 0.2564

Square

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



68.5727, 0.2335, 0.3605



68.5727, 0.2212, 0.2296



68.5727, 0.3942, 0.2952



68.5727, 0.4057, 0.4327

Rectangle

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



68.5727, 0.2335, 0.3605



68.5727, 0.1979, 0.2620



68.5727, 0.3942, 0.2952



68.5727, 0.4423, 0.3760

Sweetspot

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



68.5753, 0.2335, 0.3605



87.7841, 0.2730, 0.3371



63.7135, 0.3019, 0.5983



18.5127, 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.



68.5753, 0.2335, 0.3605



77.2136, 0.2335, 0.3607



26.7960, 0.1862, 0.1903



17.9003, 0.2994, 0.3313



36.8444, 0.2333, 0.3600



3.0729, 0.2321, 0.3555

Inverse Universe

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



18.9590, 0.6304, 0.3248



21.3317, 0.6312, 0.3251



27.4542, 0.5720, 0.3838



15.7844, 0.3278, 0.3267



10.1855, 0.6285, 0.3236



0.8559, 0.6039, 0.3101

Previews

White Background



This preview shows how the Yxy color 68.5727, 0.2335, 0.3605 looks on a white background.

Color Contrast Check

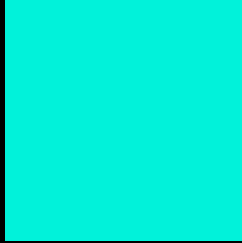
Large Text (above 18pt) WCAG AA × Fail

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 68.5727, 0.2335, 0.3605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

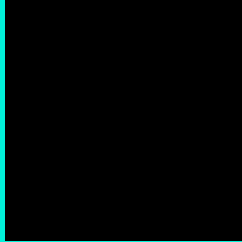
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.5727, 0.2335, 0.3605

Background



This preview shows how black text looks on a background with the Yxy color 68.5727, 0.2335, 0.3605.

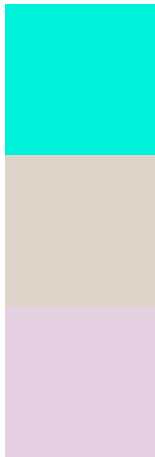


This preview shows how white text looks on a background with the Yxy color 68.5727, 0.2335, 0.3605.

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

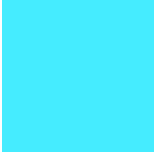
68.5727, 0.2335, 0.3605

Protanopia

67.2249, 0.3263, 0.3413

Deuteranopia

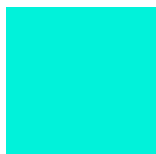
67.2608, 0.3159, 0.3097



Tritanopia

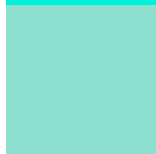
68.4761, 0.2253, 0.3055

Trichromacy



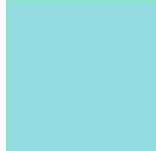
Original Color

68.5727, 0.2335, 0.3605



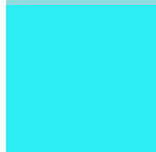
Protanomaly

63.5281, 0.2695, 0.3492



Deuteranomaly

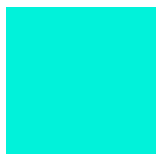
62.6251, 0.2636, 0.3251



Tritanomaly

68.0953, 0.2265, 0.3237

Monochromacy



Original Color

68.5727, 0.2335, 0.3605



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

45.1929, 0.2570, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5727, 0.2335, 0.3605 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(1, 242, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 242, 218) }
```

Border

The CSS property to change the border of an element to Yxy 68.5727, 0.2335, 0.3605 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, 218) }
```

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

```
.border{ border-color:rgb(1, 242, 218) }
```

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, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 242, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 242, 218);  
box-shadow:4px 4px 4px 4px rgb(1, 242,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5727, 0.2335, 0.3605 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, 218) }
```

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

```
.background{ background-color: rgb(1, 242,  
218) }
```

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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