

Converting Colors

$Yxy(68.2924, 0.2309, 0.3510)$

Have a look what the booklet for
Yxy(68.2924, 0.2309, 0.3510)
contains.

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Color

Yxy(68.2989, 0.2309, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	01F1E0
RGB	1, 241, 224
RGB Percent	0%, 95%, 88%
CMY	0.9942, 0.0549, 0.1215
CMYK	0.99, 0.00, 0.07, 0.05
HSL	176°, 99%, 48%
HSV	176°, 99%, 95%
XYZ	44.9294, 68.2989, 81.3555
YIQ	167.3020, -137.5830, -56.1670

Conversions

Conversions Part 2

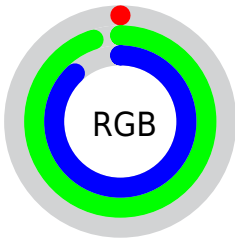
Format	Color
R _Y B	1, 125, 241
Decimal	127456
CIE Lab	86.16, -50.83, -5.35
CIE LCh	86, 51.113, 186.012
Yxy	68.2989, 0.2309, 0.3510
Android (android.graphics.Color)	4278317536 (0xFF01F1E0)
YUV	167.3020, 27.9521, -145.8469
Hunter-Lab	82.6431, -47.5830, -0.5160

Details

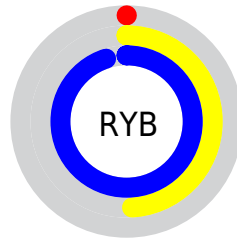
The Yxy color **68.2989, 0.2309, 0.3510** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **18.7777, 0.6333, 0.3267**, and the grayscale version is **38.7858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **37.1456, 0.2317, 0.3542** is the 20% darker color. If you saturate the color by 10%, you get **68.2861, 0.2309, 0.3511**, and if you desaturate by 10%, it is **68.5992, 0.2316, 0.3486**.

Distribution



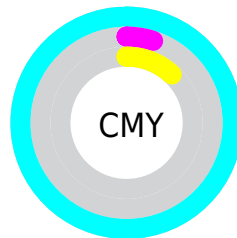
- Red (0%)
- Green (95%)
- Blue (88%)



- Red (0%)
- Yellow (49%)
- Blue (95%)



- Cyan (99%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)





- Cyan (99%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2989, 0.2309, 0.3510 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 68.2989, 0.2309, 0.3510 by changing the saturation by 10% instead.


 68.2989, 0.2309,
0.3510


 68.2989, 0.2309,
0.3510

454.5543, 0.2684,
0.3415

 50.1409, 0.2225,
0.3530

 116.7796, 0.2438,
0.3478

 35.5254, 0.2122,
0.3554


 147.8712, 0.2489,
0.3466


 24.0679, 0.1993,
0.3582


 184.0428, 0.2532,
0.3455

 15.3840, 0.1828,
0.3615

 225.6787, 0.2570,
0.3445

 9.0893, 0.1610,
0.3655

 273.1635, 0.2604,
0.3436

 4.7995, 0.1314,
0.3700

326.8814, 0.2634,

 2.1301, 0.0813,

0.3428

0.3772

387.2169, 0.2660,
0.3421

■ 0.6815, 0.0000,
0.3774

■ 0.0000, 0.0000,
0.0000

■ 68.2989, 0.2309,
0.3510

■ 68.2989, 0.2309,
0.3510

■ 68.2861, 0.2309,
0.3511

■ 68.5992, 0.2316,
0.3486

■ 69.1493, 0.2337,
0.3462

■ 70.0216, 0.2378,
0.3438

■ 71.2605, 0.2438,
0.3414

■ 72.9037, 0.2517,
0.3391

■ 74.9839, 0.2615,
0.3368

■ 77.5306, 0.2728,
0.3346

■ 80.5707, 0.2855,
0.3325

■ 84.1292, 0.2992,
0.3306

Harmonies

Analogous

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



68.2989, 0.2799, 0.4122



68.2989, 0.2309, 0.3510



68.2989, 0.2047, 0.2895

Triad

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



68.2989, 0.2309, 0.3510



68.2989, 0.2753, 0.2376



68.2989, 0.4325, 0.3963

Complementary

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



68.2989, 0.2309, 0.3510



18.7777, 0.6333, 0.3267

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.



68.2989, 0.4342, 0.3490



68.2989, 0.2309, 0.3510



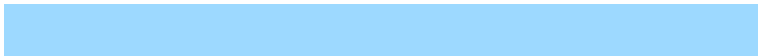
68.2989, 0.3378, 0.2626

Square

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



68.2989, 0.2309, 0.3510



68.2989, 0.2284, 0.2317



68.2989, 0.3983, 0.3020



68.2989, 0.3969, 0.4332

Rectangle

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



68.2989, 0.2309, 0.3510



68.2989, 0.2015, 0.2593



68.2989, 0.3983, 0.3020



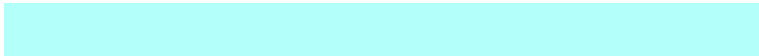
68.2989, 0.4373, 0.3810

Sweetspot

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



68.3015, 0.2309, 0.3510



87.9201, 0.2719, 0.3347



63.0761, 0.3015, 0.5984



18.5457, 0.2670, 0.3357



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.



68.3015, 0.2309, 0.3510



77.6306, 0.2309, 0.3512



25.4699, 0.1848, 0.1850



17.9085, 0.2990, 0.3307



37.0398, 0.2308, 0.3508



3.0871, 0.2299, 0.3476

Inverse Universe

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



18.7777, 0.6333, 0.3267



21.3039, 0.6346, 0.3269



28.0663, 0.5663, 0.3880



15.7770, 0.3282, 0.3274



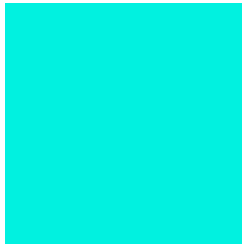
10.1701, 0.6325, 0.3258



0.8523, 0.6137, 0.3155

Previews

White Background



This preview shows how the Yxy color 68.2989, 0.2309, 0.3510 looks on a white background.

Color Contrast Check

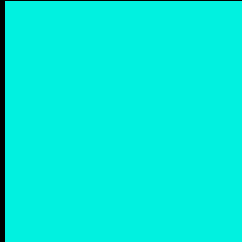
Large Text (above 18pt) WCAG AA × Fail

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 68.2989, 0.2309, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

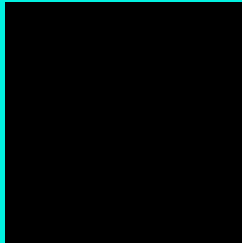
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

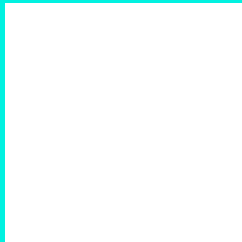
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.2989, 0.2309, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 68.2989, 0.2309, 0.3510.

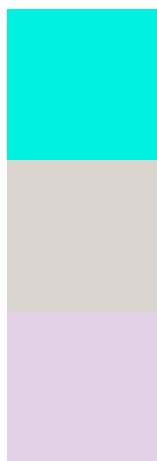


This preview shows how white text looks on a background with the Yxy color 68.2989, 0.2309, 0.3510.

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

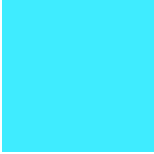
68.2989, 0.2309, 0.3510

Protanopia

67.2026, 0.3206, 0.3346

Deuteranopia

67.0500, 0.3102, 0.3043



Tritanopia

68.2677, 0.2241, 0.3054

Trichromacy



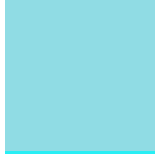
Original Color

68.2989, 0.2309, 0.3510



Protanomaly

63.2058, 0.2656, 0.3402



Deuteranomaly

62.7171, 0.2599, 0.3190



Tritanomaly

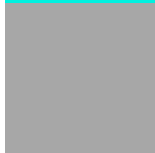
68.1521, 0.2254, 0.3212

Monochromacy



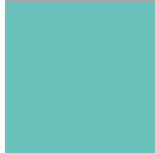
Original Color

68.2989, 0.2309, 0.3510



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

45.3402, 0.2564, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2989, 0.2309, 0.3510 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, 241, 224)` looks like.

```
.text, #text, p{  
    color:rgb(1, 241, 224)  
}
```

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, 241, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 241, 224) }
```

Border

The CSS property to change the border of an element to Yxy 68.2989, 0.2309, 0.3510 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, 241, 224) }
```

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

```
.border{ border-color:rgb(1, 241, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 241, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 241, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 241, 224);  
box-shadow:4px 4px 4px 4px rgb(1, 241,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2989, 0.2309, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 241, 224) }
```

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

```
.background{ background-color: rgb(1, 241,  
224) }
```

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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