

Converting Colors

Yxy(64.0658, 0.2240, 0.3799)

Have a look what the booklet for
Yxy(64.0658, 0.2240, 0.3799)
contains.

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Color

Yxy(66.0448, 0.2383, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	00EFCB
RGB	0, 239, 203
RGB Percent	0%, 94%, 80%
CMY	1.0000, 0.0627, 0.2040
CMYK	1.00, 0.00, 0.15, 0.06
HSL	171°, 100%, 47%
HSV	171°, 100%, 94%
XYZ	41.6362, 66.0448, 67.0407
YIQ	163.4350, -130.8880, -61.8640

Conversions

Conversions Part 2

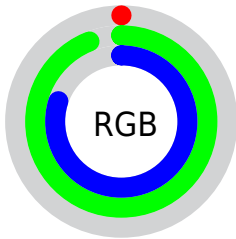
Format	Color
RYB	0, 129, 239
Decimal	61387
CIELab	85.02, -55.69, 4.02
CIELCh	85, 55.838, 175.867
Yxy	66.0448, 0.2383, 0.3780
Android (android.graphics.Color)	4278251467 (0xFF00EFCB)
YUV	163.4350, 19.5055, -143.3325
Hunter-Lab	81.2680, -50.7676, 7.9772

Details

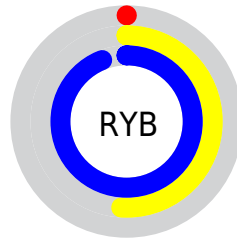
The Yxy color **66.0448, 0.2383, 0.3780** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **18.4809, 0.6220, 0.3200**, and the grayscale version is **36.7976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **35.6258, 0.2410, 0.3876** is the 20% darker color. If you saturate the color by 10%, you get **66.0525, 0.2383, 0.3780**, and if you desaturate by 10%, it is **66.4193, 0.2382, 0.3727**.

Distribution



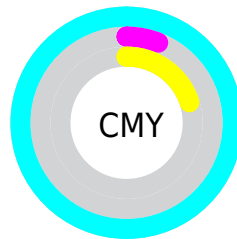
- Red (0%)
- Green (94%)
- Blue (80%)



- Red (0%)
- Yellow (51%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0448, 0.2383, 0.3780 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 66.0448, 0.2383, 0.3780 by changing the saturation by 10% instead.


 66.0448, 0.2383,
0.3780


 66.0448, 0.2383,
0.3780


446.5371, 0.2732,
0.3546

 48.3088, 0.2303,
0.3835


 113.5506, 0.2505,
0.3698

 34.0715, 0.2203,
0.3904


 144.0892, 0.2552,
0.3666

 22.9485, 0.2077,
0.3992


 179.6641, 0.2592,
0.3639

 14.5555, 0.1912,
0.4108

 220.6597, 0.2628,
0.3615

 8.5080, 0.1690,
0.4270

 267.4604, 0.2659,
0.3595

 4.4217, 0.1377,
0.4507

320.4506, 0.2686,

 1.9121, 0.0584,

0.3577

0.5059

380.0147, 0.2710,
0.3561

■ 0.5557, 0.0000,
0.6319

■ 0.0000, 0.0000,
0.0000

■ 66.0448, 0.2383,
0.3780

■ 66.0448, 0.2383,
0.3780


■ 66.0525, 0.2383,
0.3780

■ 66.4193, 0.2382,
0.3727


■ 67.0277, 0.2397,
0.3673


■ 67.9524, 0.2430,
0.3619

■ 69.2374, 0.2483,
0.3565

 70.9199, 0.2556,
0.3513

 73.0323, 0.2646,
0.3462

 75.6037, 0.2750,
0.3414

 78.6607, 0.2868,
0.3369

 82.2278, 0.2994,
0.3328

Harmonies

Analogous

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



66.0448, 0.2978, 0.4387



66.0448, 0.2383, 0.3780



66.0448, 0.2012, 0.3058

Triad

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



66.0448, 0.2383, 0.3780



66.0448, 0.2516, 0.2248



66.0448, 0.4499, 0.3843

Complementary

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



66.0448, 0.2383, 0.3780



18.4809, 0.6220, 0.3200

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.



66.0448, 0.4379, 0.3320



66.0448, 0.2383, 0.3780



66.0448, 0.3157, 0.2454

Square

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



66.0448, 0.2383, 0.3780



66.0448, 0.2088, 0.2259



66.0448, 0.3864, 0.2833



66.0448, 0.4212, 0.4311

Rectangle

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



66.0448, 0.2383, 0.3780



66.0448, 0.1917, 0.2671



66.0448, 0.3864, 0.2833



66.0448, 0.4508, 0.3669

Sweetspot

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



66.0525, 0.2383, 0.3780



87.5436, 0.2749, 0.3415



62.1894, 0.3044, 0.5965



18.4544, 0.2703, 0.3435



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.



66.0525, 0.2383, 0.3780



76.5067, 0.2384, 0.3782



31.1473, 0.1929, 0.2142



17.8856, 0.3001, 0.3326



36.5127, 0.2381, 0.3771



3.0485, 0.2361, 0.3701

Inverse Universe

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



18.4809, 0.6220, 0.3200



21.4028, 0.6226, 0.3204



24.0426, 0.5905, 0.3693



15.7977, 0.3270, 0.3255



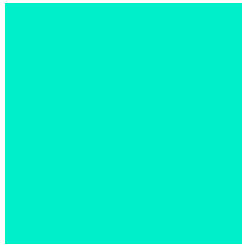
10.2233, 0.6191, 0.3184



0.8622, 0.5873, 0.3009

Previews

White Background



This preview shows how the Yxy color 66.0448, 0.2383, 0.3780 looks on a white background.

Color Contrast Check

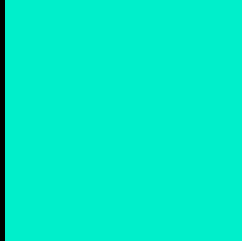
Large Text (above 18pt) WCAG AA × Fail

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 66.0448, 0.2383, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

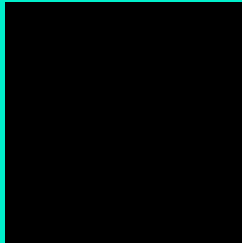
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

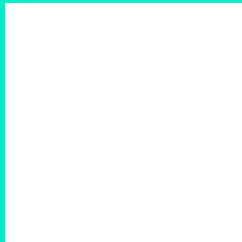
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.0448, 0.2383, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 66.0448, 0.2383, 0.3780.

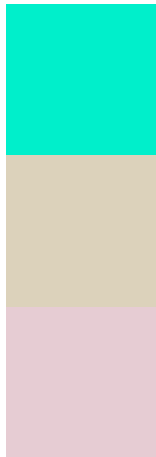


This preview shows how white text looks on a background with the Yxy color 66.0448, 0.2383, 0.3780.

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

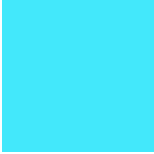
66.0448, 0.2383, 0.3780

Protanopia

64.8967, 0.3367, 0.3552

Deuteranopia

64.7119, 0.3277, 0.3214



Tritanopia

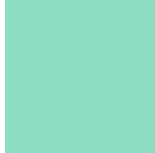
65.8716, 0.2251, 0.3051

Trichromacy



Original Color

66.0448, 0.2383, 0.3780



Protanomaly

61.1386, 0.2768, 0.3656



Deuteranomaly

60.2908, 0.2713, 0.3404



Tritanomaly

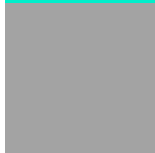
65.8708, 0.2283, 0.3300

Monochromacy



Original Color

66.0448, 0.2383, 0.3780



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

43.4190, 0.2599, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.0448, 0.2383, 0.3780 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, 239, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 239, 203)  
}
```

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, 239, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 239, 203) }
```

Border

The CSS property to change the border of an element to Yxy 66.0448, 0.2383, 0.3780 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, 239, 203) }
```

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

```
.border{ border-color:rgb(0, 239, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 239, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 239, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 239, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 239,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 66.0448, 0.2383, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 239, 203) }
```

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

```
.background{ background-color: rgb(0, 239,  
203) }
```

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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