

Converting Colors

$Y_{xy}(60.3692, 0.1917, 0.3822)$

Have a look what the booklet for
Yxy(60.3692, 0.1917, 0.3822)
contains.

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Color

Yxy(66.0926, 0.2379, 0.3765)

Conversions

Conversions Part 1

Format	Color
Hex	00EFCC
RGB	0, 239, 204
RGB Percent	0%, 94%, 80%
CMY	1.0000, 0.0627, 0.1999
CMYK	1.00, 0.00, 0.15, 0.06
HSL	171°, 100%, 47%
HSV	171°, 100%, 94%
XYZ	41.7621, 66.0926, 67.6901
YIQ	163.5490, -131.2090, -61.5530

Conversions

Conversions Part 2

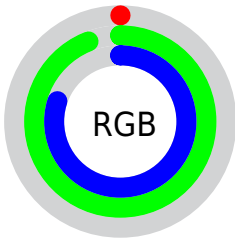
Format	Color
RYB	0, 129, 239
Decimal	61388
CIELab	85.04, -55.42, 3.52
CIELCh	85, 55.527, 176.366
Yxy	66.0926, 0.2379, 0.3765
Android (android.graphics.Color)	4278251468 (0xFF00EFCC)
YUV	163.5490, 19.9423, -143.4325
Hunter-Lab	81.2974, -50.5757, 7.5419

Details

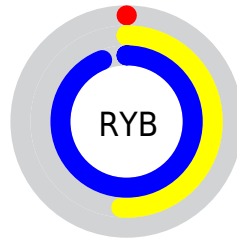
The Yxy color **66.0926, 0.2379, 0.3765** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **18.4734, 0.6229, 0.3205**, and the grayscale version is **36.8522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **35.6579, 0.2405, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **66.0980, 0.2379, 0.3765**, and if you desaturate by 10%, it is **66.4608, 0.2378, 0.3713**.

Distribution



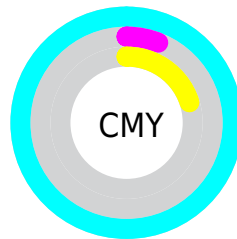
- Red (0%)
- Green (94%)
- Blue (80%)



- 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 66.0926, 0.2379, 0.3765 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 66.0926, 0.2379, 0.3765 by changing the saturation by 10% instead.


 66.0926, 0.2379,
0.3765


 66.0926, 0.2379,
0.3765


446.7080, 0.2729,
0.3539

 48.3476, 0.2298,
0.3818


 113.6192, 0.2501,
0.3686


 34.1022, 0.2199,
0.3884


 144.1696, 0.2549,
0.3655


 22.9721, 0.2072,
0.3968


 179.7573, 0.2589,
0.3629

 14.5729, 0.1908,
0.4080

 220.7665, 0.2625,
0.3606

 8.5202, 0.1685,
0.4235

 267.5819, 0.2656,
0.3586

 4.4296, 0.1373,
0.4460

320.5876, 0.2683,

 1.9167, 0.0598,

0.3569

0.4980

380.1682, 0.2708,
0.3553

■ 0.5584, 0.0000,
0.6067

■ 0.0000, 0.0000,
0.0000

■ 66.0926, 0.2379,
0.3765

■ 66.0926, 0.2379,
0.3765

■ 66.0980, 0.2379,
0.3765

■ 66.4608, 0.2378,
0.3713

■ 67.0651, 0.2393,
0.3661

■ 67.9853, 0.2427,
0.3609

■ 69.2656, 0.2481,
0.3557

70.9432, 0.2553,
0.3506

73.0504, 0.2643,
0.3457

75.6163, 0.2749,
0.3411

78.6676, 0.2866,
0.3367

82.2287, 0.2994,
0.3327

Harmonies

Analogous

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



66.0926, 0.2968, 0.4373



66.0926, 0.2379, 0.3765



66.0926, 0.2014, 0.3049

Triad

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



66.0926, 0.2379, 0.3765



66.0926, 0.2528, 0.2255



66.0926, 0.4489, 0.3849

Complementary

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



66.0926, 0.2379, 0.3765



18.4734, 0.6229, 0.3205

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.



66.0926, 0.4377, 0.3329



66.0926, 0.2379, 0.3765



66.0926, 0.3169, 0.2463

Square

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



66.0926, 0.2379, 0.3765



66.0926, 0.2098, 0.2262



66.0926, 0.3870, 0.2843



66.0926, 0.4199, 0.4312

Rectangle

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



66.0926, 0.2379, 0.3765



66.0926, 0.1922, 0.2666



66.0926, 0.3870, 0.2843



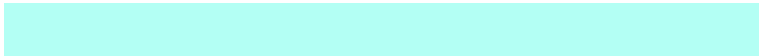
66.0926, 0.4500, 0.3677

Sweetspot

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



66.0980, 0.2379, 0.3765



87.5637, 0.2748, 0.3411



62.1101, 0.3037, 0.5971



18.4593, 0.2701, 0.3430



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.



66.0980, 0.2379, 0.3765



76.5644, 0.2380, 0.3767



29.7936, 0.1912, 0.2082



17.8868, 0.3000, 0.3325



36.5397, 0.2377, 0.3757



3.0505, 0.2358, 0.3688

Inverse Universe

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



18.4734, 0.6229, 0.3205



21.3957, 0.6235, 0.3208



24.6390, 0.5862, 0.3728



15.7965, 0.3270, 0.3256



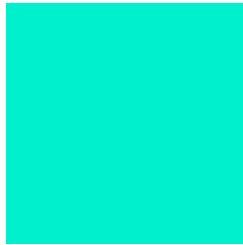
10.2196, 0.6200, 0.3189



0.8616, 0.5886, 0.3016

Previews

White Background



This preview shows how the Yxy color 66.0926, 0.2379, 0.3765 looks on a white background.

Color Contrast Check

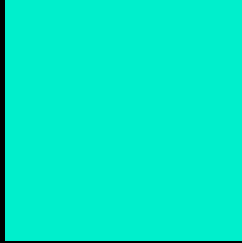
Large Text (above 18pt) WCAG AA × Fail

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 66.0926, 0.2379, 0.3765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

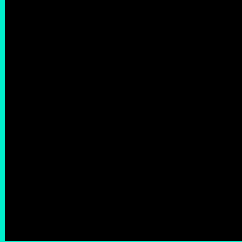
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.0926, 0.2379, 0.3765

Background



This preview shows how black text looks on a background with the Yxy color 66.0926, 0.2379, 0.3765.

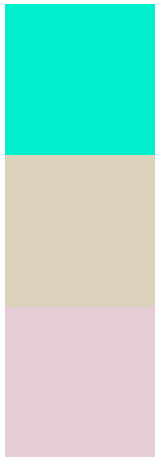


This preview shows how white text looks on a background with the Yxy color 66.0926, 0.2379, 0.3765.

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

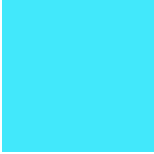
66.0926, 0.2379, 0.3765

Protanopia

64.7841, 0.3352, 0.3541

Deuteranopia

64.7622, 0.3270, 0.3203



Tritanopia

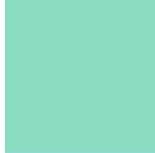
65.8365, 0.2249, 0.3051

Trichromacy



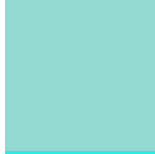
Original Color

66.0926, 0.2379, 0.3765



Protanomaly

61.0969, 0.2757, 0.3643



Deuteranomaly

60.3402, 0.2707, 0.3391



Tritanomaly

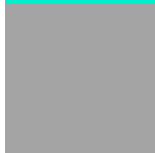
65.8494, 0.2281, 0.3300

Monochromacy



Original Color

66.0926, 0.2379, 0.3765



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

43.4593, 0.2593, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.0926, 0.2379, 0.3765 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 239, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 239, 204) }
```

Border

The CSS property to change the border of an element to Yxy 66.0926, 0.2379, 0.3765 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, 204) }
```

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

```
.border{ border-color:rgb(0, 239, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 239, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 239, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 239,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 66.0926, 0.2379, 0.3765 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, 204) }
```

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

```
.background{ background-color: rgb(0, 239,  
204) }
```

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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