

Converting Colors

$Y_{xy}(64.2054, 0.2268, 0.4009)$

Have a look what the booklet for
Yxy(64.2054, 0.2268, 0.4009)
contains.

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Color

Yxy(66.6722, 0.2439, 0.3980)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00F1BF |
| RGB | 0, 241, 191 |
| RGB Percent | 0%, 95%, 75% |
| CMY | 0.9994, 0.0549, 0.2511 |
| CMYK | 1.00, 0.00, 0.21, 0.05 |
| HSL | 168°, 100%, 47% |
| HSV | 168°, 100%, 95% |
| XYZ | 40.8577, 66.6722, 59.9882 |
| YIQ | 163.2410, -127.5860, -66.6420 |

Conversions

Conversions Part 2

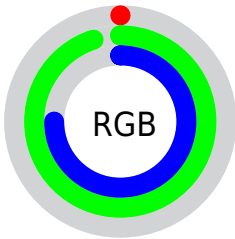
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 134, 241 |
| Decimal | 61887 |
| CIELab | 85.34, -59.45, 10.76 |
| CIELCh | 85, 60.415, 169.738 |
| Yxy | 66.6722, 0.2439, 0.3980 |
| Android (android.graphics.Color) | 4278251967 (0xFF00F1BF) |
| YUV | 163.2410, 13.6852, -143.1624 |
| Hunter-Lab | 81.6530, -53.5748, 13.5984 |

Details

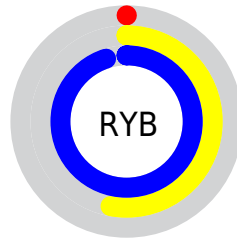
The Yxy color **66.6722, 0.2439, 0.3980** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **18.9369, 0.6088, 0.3128**, and the grayscale version is **36.7476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7461, 0.2455, 0.3381**, and **36.1160, 0.2477, 0.4117** is the 20% darker color. If you saturate the color by 10%, you get **66.6724, 0.2439, 0.3981**, and if you desaturate by 10%, it is **67.0953, 0.2432, 0.3904**.

Distribution



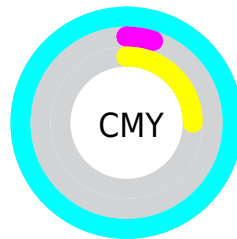
- Red (0%)
- Green (95%)
- Blue (75%)



- Red (0%)
- Yellow (53%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6722, 0.2439, 0.3980 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 66.6722, 0.2439, 0.3980 by changing the saturation by 10% instead.

 66.6722, 0.2439,
0.3980


 66.6722, 0.2439,
0.3980


448.7771, 0.2766,
0.3643

 48.8183, 0.2362,
0.4062


 114.4506, 0.2554,
0.3859


 34.4754, 0.2267,
0.4165


 145.1438, 0.2598,
0.3814


 23.2590, 0.2145,
0.4299


 180.8857, 0.2636,
0.3775

 14.7849, 0.1984,
0.4481

 222.0604, 0.2669,
0.3741

 8.6685, 0.1762,
0.4740

 269.0526, 0.2698,
0.3712

 4.5256, 0.1444,
0.5135

322.2465, 0.2724,

 1.9717, 0.0503,

0.3686

0.6091

382.0265, 0.2746,
0.3663

■ 0.5910, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.6722, 0.2439,
0.3980

■ 66.6722, 0.2439,
0.3980

■ 66.6724, 0.2439,
0.3981

■ 67.0953, 0.2432,
0.3904

■ 67.7668, 0.2442,
0.3828

■ 68.7646, 0.2471,
0.3751

■ 70.1336, 0.2520,
0.3675

■ 71.9118, 0.2588,
0.3601

■ 74.1323, 0.2673,
0.3529

■ 76.8247, 0.2772,
0.3462

■ 80.0164, 0.2883,
0.3400

■ 83.7322, 0.3003,
0.3342

Harmonies

Analogous

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



66.6722, 0.3106, 0.4566



66.6722, 0.2439, 0.3980



66.6722, 0.1991, 0.3183

Triad

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



66.6722, 0.2439, 0.3980



66.6722, 0.2356, 0.2162



66.6722, 0.4614, 0.3755

Complementary

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



66.6722, 0.2439, 0.3980



18.9369, 0.6088, 0.3128

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.



66.6722, 0.4395, 0.3203



66.6722, 0.2439, 0.3980



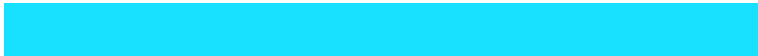
66.6722, 0.3002, 0.2337

Square

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



66.6722, 0.2439, 0.3980



66.6722, 0.1958, 0.2221



66.6722, 0.3771, 0.2705



66.6722, 0.4379, 0.4282

Rectangle

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



66.6722, 0.2439, 0.3980



66.6722, 0.1853, 0.2732



66.6722, 0.3771, 0.2705



66.6722, 0.4594, 0.3569

Sweetspot

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



66.6748, 0.2439, 0.3980



87.2826, 0.2771, 0.3463



63.6529, 0.3071, 0.5943



18.3914, 0.2727, 0.3491



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.



66.6748, 0.2439, 0.3980



75.7856, 0.2440, 0.3983



36.1489, 0.1979, 0.2325



17.8694, 0.3009, 0.3339



36.1736, 0.2436, 0.3968



3.0233, 0.2408, 0.3868

Inverse Universe

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



18.9369, 0.6088, 0.3128



21.5168, 0.6096, 0.3132



22.8842, 0.6028, 0.3595



15.8126, 0.3261, 0.3241



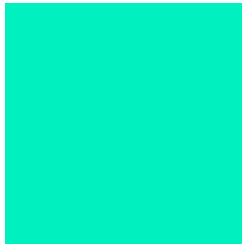
10.2819, 0.6053, 0.3108



0.8693, 0.5697, 0.2912

Previews

White Background



This preview shows how the Yxy color 66.6722, 0.2439, 0.3980 looks on a white background.

Color Contrast Check

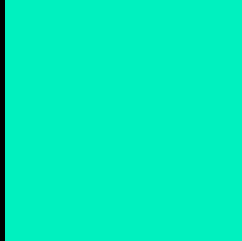
Large Text (above 18pt) WCAG AA × Fail

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 66.6722, 0.2439, 0.3980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

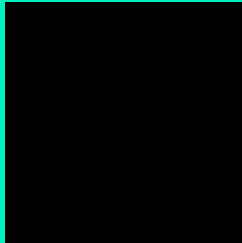
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.6722, 0.2439, 0.3980

Background



This preview shows how black text looks on a background with the Yxy color 66.6722, 0.2439, 0.3980.

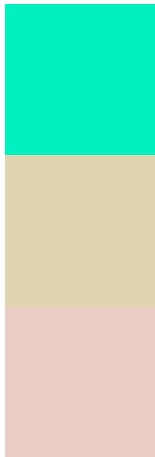


This preview shows how white text looks on a background with the Yxy color 66.6722, 0.2439, 0.3980.

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

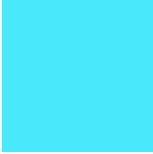
66.6722, 0.2439, 0.3980

Protanopia

65.4111, 0.3470, 0.3687

Deuteranopia

65.1421, 0.3415, 0.3345



Tritanopia

66.7226, 0.2263, 0.3053

Trichromacy



Original Color

66.6722, 0.2439, 0.3980



Protanomaly

61.3295, 0.2849, 0.3831



Deuteranomaly

60.0953, 0.2806, 0.3561



Tritanomaly

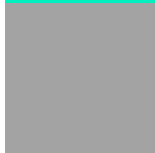
66.3084, 0.2307, 0.3365

Monochromacy



Original Color

66.6722, 0.2439, 0.3980



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

43.2218, 0.2628, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6722, 0.2439, 0.3980 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 241, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 241, 191) }
```

Border

The CSS property to change the border of an element to Yxy 66.6722, 0.2439, 0.3980 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, 191) }
```

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

```
.border{ border-color:rgb(0, 241, 191) }
```

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, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 241, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 241, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 241,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6722, 0.2439, 0.3980 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, 191) }
```

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

```
.background{ background-color: rgb(0, 241,  
191) }
```

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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