

Converting Colors

Yxy(59.9234, 0.1713, 0.4161)

Have a look what the booklet for
Yxy(59.9234, 0.1713, 0.4161)
contains.

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Color

Yxy(69.0664, 0.2452, 0.4027)

Conversions

Conversions Part 1

Format	Color
Hex	00F5BF
RGB	0, 245, 191
RGB Percent	0%, 96%, 75%
CMY	0.9998, 0.0392, 0.2511
CMYK	1.00, 0.00, 0.22, 0.04
HSL	167°, 100%, 48%
HSV	167°, 100%, 96%
XYZ	42.0538, 69.0664, 60.3881
YIQ	165.5890, -128.6860, -68.7340

Conversions

Conversions Part 2

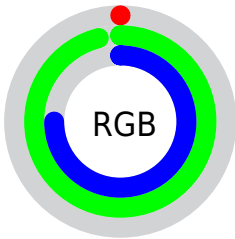
Format	Color
RYB	0, 138, 245
Decimal	62911
CIELab	86.54, -60.97, 12.47
CIELCh	87, 62.230, 168.444
Yxy	69.0664, 0.2452, 0.4027
Android (android.graphics.Color)	4278252991 (0xFF00F5BF)
YUV	165.5890, 12.5276, -145.2216
Hunter-Lab	83.1062, -55.1103, 15.0920

Details

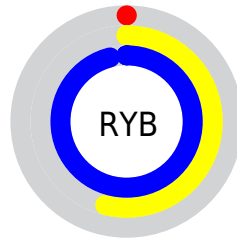
The Yxy color **69.0664, 0.2452, 0.4027** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **19.6815, 0.6056, 0.3110**, and the grayscale version is **37.9161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8128, 0.2459, 0.3381**, and **37.3756, 0.2489, 0.4161** is the 20% darker color. If you saturate the color by 10%, you get **69.0684, 0.2452, 0.4027**, and if you desaturate by 10%, it is **69.5121, 0.2444, 0.3946**.

Distribution



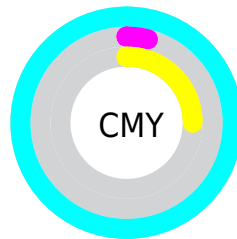
- Red (0%)
- Green (96%)
- Blue (75%)



- Red (0%)
- Yellow (54%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (4%)




- Cyan (100%)
- Magenta (4%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0664, 0.2452, 0.4027 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 69.0664, 0.2452, 0.4027 by changing the saturation by 10% instead.


 69.0664, 0.2452,
0.4027


 69.0664, 0.2452,
0.4027


457.2651, 0.2773,
0.3667

 50.7658, 0.2377,
0.4114


 117.8764, 0.2565,
0.3899

 36.0222, 0.2284,
0.4223


 149.1546, 0.2608,
0.3850


 24.4514, 0.2165,
0.4366


 185.5274, 0.2645,
0.3808

 15.6688, 0.2008,
0.4559

 227.3793, 0.2678,
0.3772

 9.2901, 0.1793,
0.4833

 275.0946, 0.2706,
0.3741

 4.9309, 0.1483,
0.5249


329.0578, 0.2731,

 2.2068, 0.0701,

0.3713


0.6149

389.6531, 0.2753,
0.3689


 0.7237, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.0664, 0.2452,
0.4027


 69.0664, 0.2452,
0.4027

 69.0684, 0.2452,
0.4027

 69.5121, 0.2444,
0.3946


 70.2164, 0.2452,
0.3864


 71.2603, 0.2480,
0.3782


 72.6909, 0.2528,
0.3700

 74.5476, 0.2595,
0.3621

 76.8650, 0.2678,
0.3545

 79.6740, 0.2777,
0.3474

 83.0030, 0.2886,
0.3407

 86.8780, 0.3004,
0.3346

Harmonies

Analogous

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



69.0664, 0.3135, 0.4606



69.0664, 0.2452, 0.4027



69.0664, 0.1986, 0.3213

Triad

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



69.0664, 0.2452, 0.4027



69.0664, 0.2321, 0.2142



69.0664, 0.4640, 0.3735

Complementary

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



69.0664, 0.2452, 0.4027



19.6815, 0.6056, 0.3110

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.



69.0664, 0.4397, 0.3176



69.0664, 0.2452, 0.4027



69.0664, 0.2967, 0.2311

Square

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



69.0664, 0.2452, 0.4027



69.0664, 0.1930, 0.2212



69.0664, 0.3748, 0.2676



69.0664, 0.4417, 0.4275

Rectangle

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



69.0664, 0.2452, 0.4027



69.0664, 0.1839, 0.2746



69.0664, 0.3748, 0.2676



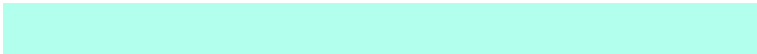
69.0664, 0.4613, 0.3546

Sweetspot

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



69.0691, 0.2452, 0.4027



87.2247, 0.2776, 0.3474



66.1843, 0.3081, 0.5936



18.3774, 0.2733, 0.3504



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.



69.0691, 0.2452, 0.4027



75.6321, 0.2453, 0.4029



39.1077, 0.1996, 0.2384



18.6916, 0.3010, 0.3343



37.2282, 0.2448, 0.4014



3.2871, 0.2420, 0.3912

Inverse Universe

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



19.6815, 0.6056, 0.3110



21.5479, 0.6061, 0.3113



23.2365, 0.6068, 0.3563



16.5424, 0.3259, 0.3238



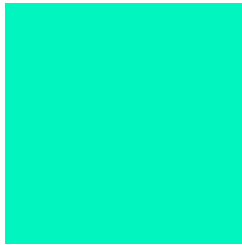
10.6184, 0.6019, 0.3090



0.9480, 0.5678, 0.2902

Previews

White Background



This preview shows how the Yxy color 69.0664, 0.2452, 0.4027 looks on a white background.

Color Contrast Check

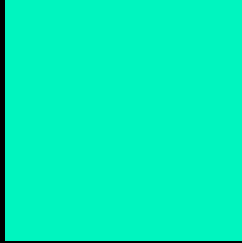
Large Text (above 18pt) WCAG AA × Fail

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 69.0664, 0.2452, 0.4027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

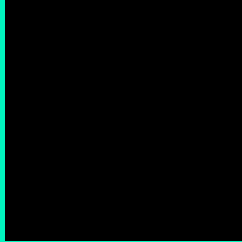
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

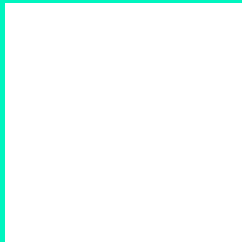
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.0664, 0.2452, 0.4027

Background



This preview shows how black text looks on a background with the Yxy color 69.0664, 0.2452, 0.4027.



This preview shows how white text looks on a background with the Yxy color 69.0664, 0.2452, 0.4027.

Color Blindness Simulation

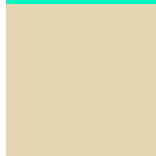
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



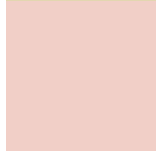
Original Color

69.0664, 0.2452, 0.4027



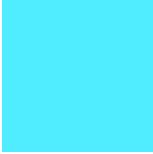
Protanopia

67.5586, 0.3495, 0.3714



Deuteranopia

67.4499, 0.3449, 0.3376



Tritanopia

68.9164, 0.2278, 0.3057

Trichromacy



Original Color

69.0664, 0.2452, 0.4027



Protanomaly

63.1159, 0.2864, 0.3865



Deuteranomaly

62.4707, 0.2828, 0.3608



Tritanomaly

68.2630, 0.2315, 0.3377

Monochromacy



Original Color

69.0664, 0.2452, 0.4027



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

45.1895, 0.2636, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0664, 0.2452, 0.4027 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, 245, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 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, 245, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 191) }
```

Border

The CSS property to change the border of an element to Yxy 69.0664, 0.2452, 0.4027 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, 245, 191) }
```

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

```
.border{ border-color:rgb(0, 245, 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, 245, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0664, 0.2452, 0.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 191) }
```

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

```
.background{ background-color: rgb(0, 245,  
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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