

Converting Colors

$Y_{xy}(68.3977, 0.2505, 0.4217)$

Have a look what the booklet for
Yxy(68.3977, 0.2505, 0.4217)
contains.

| | |
|--|----|
| Yxy(68.5192, 0.2505, 0.4219) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(68.5192, 0.2505, 0.4219)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00F5B2 |
| RGB | 0, 245, 178 |
| RGB Percent | 0%, 96%, 70% |
| CMY | 1.0000, 0.0392, 0.3019 |
| CMYK | 1.00, 0.00, 0.27, 0.04 |
| HSL | 164°, 100%, 48% |
| HSV | 164°, 100%, 96% |
| XYZ | 40.6828, 68.5192, 53.2043 |
| YIQ | 164.1070, -124.5130, -72.7770 |

Conversions

Conversions Part 2

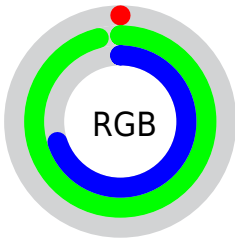
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 142, 245 |
| Decimal | 62898 |
| CIELab | 86.27, -63.98, 18.79 |
| CIELCh | 86, 66.687, 163.633 |
| Yxy | 68.5192, 0.2505, 0.4219 |
| Android (android.graphics.Color) | 4278252978 (0xFF00F5B2) |
| YUV | 164.1070, 6.8492, -143.9218 |
| Hunter-Lab | 82.7763, -57.1297, 19.8349 |

Details

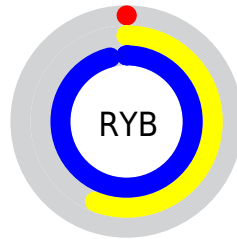
The Yxy color **68.5192, 0.2505, 0.4219** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **19.8196, 0.5896, 0.3022**, and the grayscale version is **37.1925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9712, 0.2509, 0.3538**, and **37.0213, 0.2559, 0.4412** is the 20% darker color. If you saturate the color by 10%, you get **68.5259, 0.2505, 0.4219**, and if you desaturate by 10%, it is **69.0021, 0.2492, 0.4116**.

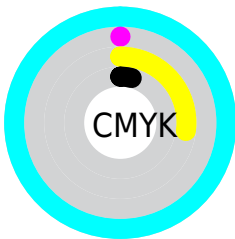
Distribution



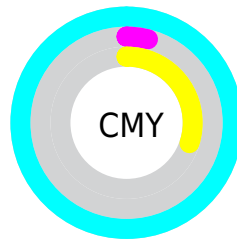
- Red (0%)
- Green (96%)
- Blue (70%)



- Red (0%)
- Yellow (56%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5192, 0.2505, 0.4219 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 68.5192, 0.2505, 0.4219 by changing the saturation by 10% instead.

 68.5192, 0.2505,
0.4219

 68.5192, 0.2505,
0.4219


455.3334, 0.2807,
0.3758


 50.3202, 0.2433,
0.4332

 117.0946, 0.2612,
0.4053


 35.6679, 0.2342,
0.4476

 148.2398, 0.2653,
0.3990


 24.1778, 0.2224,
0.4665


 184.4692, 0.2688,
0.3937

 15.4656, 0.2067,
0.4923

 226.1673, 0.2719,
0.3891

 9.1468, 0.1847,
0.5295

 273.7183, 0.2745,
0.3851

 4.8371, 0.1523,
0.5866

327.5067, 0.2768,

 2.1520, 0.0507,

0.3816

0.7299

387.9170, 0.2789,
0.3786

■ 0.6936, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.5192, 0.2505,
0.4219

■ 68.5192, 0.2505,
0.4219


■ 68.5259, 0.2505,
0.4219

■ 69.0021, 0.2492,
0.4116


■ 69.7438, 0.2495,
0.4012


■ 70.8296, 0.2519,
0.3908


■ 72.3067, 0.2562,
0.3805

 74.2145, 0.2625,
0.3705

 76.5878, 0.2704,
0.3609

 79.4575, 0.2797,
0.3519

 82.8521, 0.2900,
0.3436

 86.7977, 0.3011,
0.3359

Harmonies

Analogous

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



68.5192, 0.3252, 0.4762



68.5192, 0.2505, 0.4219



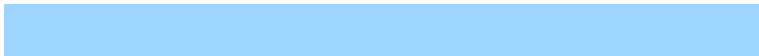
68.5192, 0.1968, 0.3337

Triad

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



68.5192, 0.2505, 0.4219



68.5192, 0.2181, 0.2066



68.5192, 0.4742, 0.3653

Complementary

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



68.5192, 0.2505, 0.4219



19.8196, 0.5896, 0.3022

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.



68.5192, 0.4404, 0.3070



68.5192, 0.2505, 0.4219



68.5192, 0.2826, 0.2207

Square

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



68.5192, 0.2505, 0.4219



68.5192, 0.1817, 0.2178



68.5192, 0.3657, 0.2562



68.5192, 0.4567, 0.4239

Rectangle

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



68.5192, 0.2505, 0.4219



68.5192, 0.1782, 0.2808



68.5192, 0.3657, 0.2562



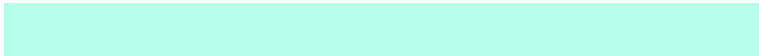
68.5192, 0.4687, 0.3455

Sweetspot

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



68.5259, 0.2505, 0.4219



86.9893, 0.2796, 0.3520



66.5918, 0.3117, 0.5907



18.3208, 0.2755, 0.3557



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.



68.5259, 0.2505, 0.4219



75.0341, 0.2506, 0.4221



44.2595, 0.2046, 0.2564



18.6760, 0.3017, 0.3356



36.9372, 0.2501, 0.4202



3.2636, 0.2465, 0.4073

Inverse Universe

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



19.8196, 0.5896, 0.3022



21.6988, 0.5901, 0.3025



21.9684, 0.6171, 0.3482



16.5570, 0.3250, 0.3225



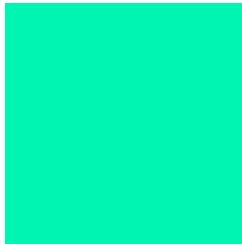
10.6961, 0.5855, 0.2999



0.9567, 0.5502, 0.2805

Previews

White Background



This preview shows how the Yxy color 68.5192, 0.2505, 0.4219 looks on a white background.

Color Contrast Check

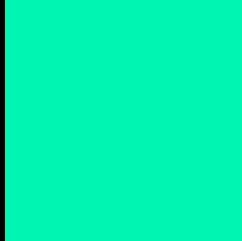
Large Text (above 18pt) WCAG AA × Fail

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 68.5192, 0.2505, 0.4219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

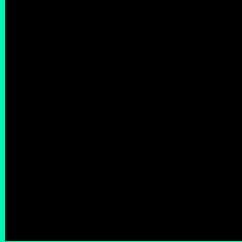
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.5192, 0.2505, 0.4219

Background



This preview shows how black text looks on a background with the Yxy color 68.5192, 0.2505, 0.4219.



This preview shows how white text looks on a background with the Yxy color 68.5192, 0.2505, 0.4219.

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

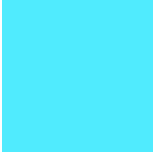
68.5192, 0.2505, 0.4219

Protanopia

67.3955, 0.3604, 0.3858

Deuteranopia

66.9636, 0.3566, 0.3494



Tritanopia

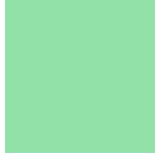
68.2779, 0.2278, 0.3056

Trichromacy



Original Color

68.5192, 0.2505, 0.4219



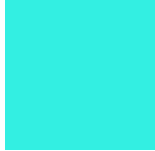
Protanomaly

62.7886, 0.2951, 0.4041



Deuteranomaly

61.6157, 0.2911, 0.3755



Tritanomaly

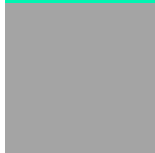
67.9278, 0.2339, 0.3456

Monochromacy



Original Color

68.5192, 0.2505, 0.4219



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

43.9476, 0.2657, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5192, 0.2505, 0.4219 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 178) }
```

Border

The CSS property to change the border of an element to Yxy 68.5192, 0.2505, 0.4219 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, 178) }
```

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

```
.border{ border-color:rgb(0, 245, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5192, 0.2505, 0.4219 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, 178) }
```

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

```
.background{ background-color: rgb(0, 245,  
178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor