

Converting Colors

$Yxy(66.7471, 0.2502, 0.4194)$

Have a look what the booklet for
Yxy(66.7471, 0.2502, 0.4194)
contains.

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Color

Yxy(66.7238, 0.2504, 0.4200)

Conversions

Conversions Part 1

Format	Color
Hex	08F2B1
RGB	8, 242, 177
RGB Percent	3%, 95%, 69%
CMY	0.9695, 0.0510, 0.3060
CMYK	0.97, 0.00, 0.27, 0.05
HSL	163°, 94%, 49%
HSV	163°, 97%, 95%
XYZ	39.7801, 66.7238, 52.3623
YIQ	164.6240, -118.5990, -69.8230

Conversions

Conversions Part 2

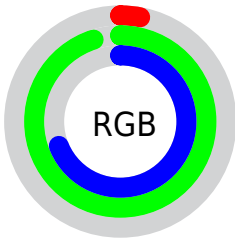
Format	Color
RYB	8, 144, 242
Decimal	586417
CIELab	85.36, -62.91, 18.07
CIELCh	85, 65.453, 163.971
Yxy	66.7238, 0.2504, 0.4200
Android (android.graphics.Color)	4278776497 (0xFF08F2B1)
YUV	164.6240, 6.1014, -137.3592
Hunter-Lab	81.6846, -56.0193, 19.1726

Details

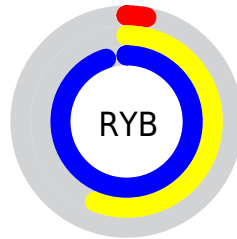
The Yxy color **66.7238, 0.2504, 0.4200** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **19.5237, 0.5789, 0.2983**, and the grayscale version is **37.4125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9806, 0.2517, 0.3550**, and **35.7362, 0.2553, 0.4391** is the 20% darker color. If you saturate the color by 10%, you get **66.5910, 0.2509, 0.4233**, and if you desaturate by 10%, it is **67.2573, 0.2494, 0.4095**.

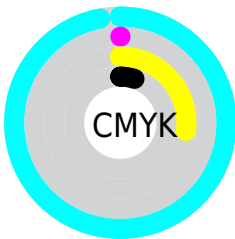
Distribution



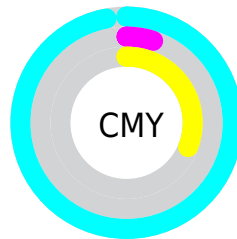
- Red (3%)
- Green (95%)
- Blue (69%)



- Red (3%)
- Yellow (56%)
- Blue (95%)



- Cyan (97%)
- Magenta (0%)
- Yellow (27%)
- Black (5%)



- Cyan (97%)
- Magenta (5%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7238, 0.2504, 0.4200 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 66.7238, 0.2504, 0.4200 by changing the saturation by 10% instead.

 66.7238, 0.2504,
0.4200

 66.7238, 0.2504,
0.4200


448.9610, 0.2807,
0.3747


 48.8602, 0.2431,
0.4312

 114.5246, 0.2612,
0.4036


 34.5086, 0.2340,
0.4454


 145.2305, 0.2653,
0.3975


 23.2846, 0.2221,
0.4641


 180.9860, 0.2688,
0.3922

 14.8038, 0.2061,
0.4898

 222.1755, 0.2719,
0.3877

 8.6818, 0.1837,
0.5270

 269.1834, 0.2745,
0.3838

 4.5342, 0.1506,
0.5845


322.3940, 0.2768,

 1.9767, 0.0306,

0.3804

0.7470


382.1917, 0.2789,
0.3774


 0.5939, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 66.7238, 0.2504,
0.4200


 66.7238, 0.2504,
0.4200


 66.5910, 0.2509,
0.4233


 67.2573, 0.2494,
0.4095


 68.0842, 0.2504,
0.3990

 69.2615, 0.2534,
0.3884

 70.8322, 0.2583,
0.3780

 72.8330, 0.2651,
0.3680

 75.2963, 0.2734,
0.3584

 78.2512, 0.2830,
0.3495

 81.7246, 0.2936,
0.3412

 85.7413, 0.3048,
0.3337

Harmonies

Analogous

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



66.7238, 0.3243, 0.4744



66.7238, 0.2504, 0.4200



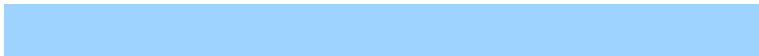
66.7238, 0.1974, 0.3328

Triad

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



66.7238, 0.2504, 0.4200



66.7238, 0.2195, 0.2076



66.7238, 0.4728, 0.3658

Complementary

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



66.7238, 0.2504, 0.4200



19.5237, 0.5789, 0.2983

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.



66.7238, 0.4398, 0.3079



66.7238, 0.2504, 0.4200



66.7238, 0.2838, 0.2219

Square

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



66.7238, 0.2504, 0.4200



66.7238, 0.1830, 0.2185



66.7238, 0.3662, 0.2574



66.7238, 0.4550, 0.4239

Rectangle

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



66.7238, 0.2504, 0.4200



66.7238, 0.1791, 0.2806



66.7238, 0.3662, 0.2574



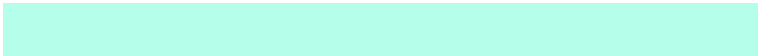
66.7238, 0.4675, 0.3462

Sweetspot

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



66.7264, 0.2504, 0.4200



87.3174, 0.2807, 0.3515



64.9811, 0.3132, 0.5878



18.3819, 0.2766, 0.3553



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.



66.7264, 0.2504, 0.4200



74.9895, 0.2510, 0.4236



43.8305, 0.2056, 0.2589



17.8497, 0.3018, 0.3356



35.7983, 0.2505, 0.4216



2.9949, 0.2466, 0.4078

Inverse Universe

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



19.5237, 0.5789, 0.2983



21.7122, 0.5888, 0.3017



21.9723, 0.6100, 0.3509



15.8310, 0.3250, 0.3225



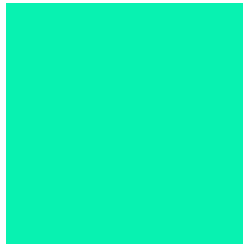
10.3798, 0.5839, 0.2990



0.8798, 0.5466, 0.2785

Previews

White Background



This preview shows how the Yxy color 66.7238, 0.2504, 0.4200 looks on a white background.

Color Contrast Check

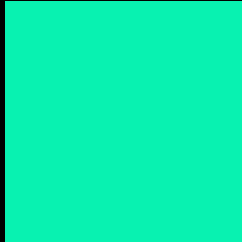
Large Text (above 18pt) WCAG AA × Fail

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 66.7238, 0.2504, 0.4200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

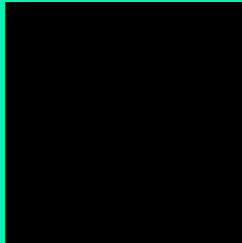
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.7238, 0.2504, 0.4200

Background



This preview shows how black text looks on a background with the Yxy color 66.7238, 0.2504, 0.4200.



This preview shows how white text looks on a background with the Yxy color 66.7238, 0.2504, 0.4200.

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

66.7302, 0.2504, 0.4200

Protanopia

65.3659, 0.3596, 0.3842

Deuteranopia

65.4317, 0.3555, 0.3485



Tritanopia

66.3405, 0.2278, 0.3053

Trichromacy



Original Color

66.7302, 0.2504, 0.4200



Protanomaly

61.2356, 0.2962, 0.4019



Deuteranomaly

60.6296, 0.2922, 0.3743



Tritanomaly

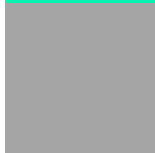
66.1296, 0.2340, 0.3445

Monochromacy



Original Color

66.7302, 0.2504, 0.4200



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

44.1926, 0.2680, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7238, 0.2504, 0.4200 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(8, 242, 177)` looks like.

```
.text, #text, p{  
    color:rgb(8, 242, 177)  
}
```

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(8, 242, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 242, 177) }
```

Border

The CSS property to change the border of an element to Yxy 66.7238, 0.2504, 0.4200 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(8, 242, 177) }
```

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

```
.border{ border-color:rgb(8, 242, 177) }
```

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

Here you see how a box with a 4 pixel rgb(8, 242, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 242, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 242, 177);  
box-shadow:4px 4px 4px 4px rgb(8, 242,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7238, 0.2504, 0.4200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 242, 177) }
```

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

```
.background{ background-color: rgb(8, 242,  
177) }
```

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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