

# Converting Colors

Yxy(63.9115, 0.2720, 0.4971)

Have a look what the booklet for  
Yxy(63.9115, 0.2720, 0.4971)  
contains.

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# Color

**Yxy(63.8335, 0.2721, 0.4976)**

# Conversions

## Conversions Part 1

Format	Color
Hex	09F07C
RGB	9, 240, 124
RGB Percent	4%, 94%, 49%
CMY	0.9664, 0.0588, 0.5138
CMYK	0.96, 0.00, 0.48, 0.06
HSL	150°, 93%, 49%
HSV	150°, 96%, 94%
XYZ	34.9057, 63.8335, 29.5435
YIQ	157.7070, -100.4400, -85.0480

# Conversions

## Conversions Part 2

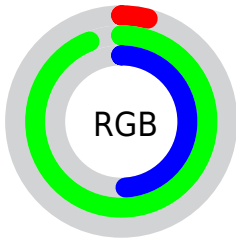
<b>Format</b>	<b>Color</b>
<b>RYB</b>	9, 163, 240
Decimal	651388
CIELab	83.88, -72.45, 42.73
CIELCh	84, 84.113, 149.471
Yxy	63.8335, 0.2721, 0.4976
Android (android.graphics.Color)	4278841468 (0xFF09F07C)
YUV	157.7070, -16.6176, -130.4160
Hunter-Lab	79.8959, -61.8328, 34.0031

# Details

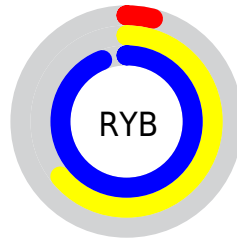
The Yxy color **63.8335, 0.2721, 0.4976** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **20.1836, 0.4904, 0.2493**, and the grayscale version is **34.1040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2451, 0.2759, 0.4266**, and **33.9238, 0.2816, 0.5338** is the 20% darker color. If you saturate the color by 10%, you get **63.6743, 0.2733, 0.5040**, and if you desaturate by 10%, it is **64.4203, 0.2694, 0.4791**.

# Distribution



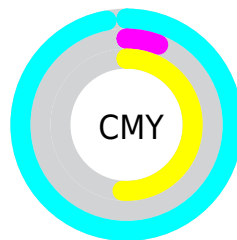
- Red (4%)
- Green (94%)
- Blue (49%)



- Red (4%)
- Yellow (64%)
- Blue (94%)



- Cyan (96%)
- Magenta (0%)
- Yellow (48%)
- Black (6%)




- Cyan (97%)
- Magenta (6%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8335, 0.2721, 0.4976 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 63.8335, 0.2721, 0.4976 by changing the saturation by 10% instead.





 63.8335, 0.2721,  
0.4976


 63.8335, 0.2721,  
0.4976

438.5881, 0.2955,  
0.4106


 46.5158, 0.2654,  
0.5196

 110.3711, 0.2813,  
0.4656


 32.6531, 0.2563,  
0.5479


 140.3598, 0.2845,  
0.4537


 21.8608, 0.2436,  
0.5851


 175.3411, 0.2872,  
0.4437

 13.7547, 0.2249,  
0.6357

 215.6992, 0.2894,  
0.4351

 7.9502, 0.1957,  
0.7064

 261.8185, 0.2913,  
0.4277

 4.0631, 0.1548,  
0.8452

314.0835, 0.2929,

 1.7089, 0.0000,

0.4213

1.0000

372.8786, 0.2943,  
0.4156

■ 0.4294, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.8335, 0.2721,  
0.4976

■ 63.8335, 0.2721,  
0.4976

■ 63.6743, 0.2733,  
0.5040


■ 64.4203, 0.2694,  
0.4791


■ 65.3231, 0.2686,  
0.4596

■ 66.5976, 0.2698,  
0.4397


■ 68.2867, 0.2730,  
0.4199

 70.4271, 0.2779,  
0.4008

 73.0512, 0.2840,  
0.3828

 76.1885, 0.2912,  
0.3661

 79.8660, 0.2991,  
0.3508

 84.1086, 0.3073,  
0.3371

# Harmonies

## Analogous

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



63.8335, 0.3677, 0.5239



63.8335, 0.2721, 0.4976



63.8335, 0.1927, 0.3892

# Triad

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



63.8335, 0.2721, 0.4976



63.8335, 0.1708, 0.1806



63.8335, 0.5075, 0.3333

# Complementary

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



63.8335, 0.2721, 0.4976



20.1836, 0.4904, 0.2493

# 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.



63.8335, 0.4356, 0.2683



63.8335, 0.2721, 0.4976



63.8335, 0.2316, 0.1850

# Square

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



63.8335, 0.2721, 0.4976



63.8335, 0.1442, 0.2076



63.8335, 0.3272, 0.2159



63.8335, 0.5103, 0.4042



# Rectangle

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



63.8335, 0.2721, 0.4976



63.8335, 0.1599, 0.3098



63.8335, 0.3272, 0.2159



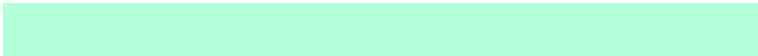
63.8335, 0.4906, 0.3108

# Sweetspot

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



63.8361, 0.2721, 0.4976



86.4079, 0.2892, 0.3704



66.9455, 0.3397, 0.5667



18.1641, 0.2861, 0.3776



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.



63.8361, 0.2721, 0.4976



73.0565, 0.2735, 0.5045



68.4463, 0.2264, 0.3337



17.7879, 0.3048, 0.3411



34.8800, 0.2725, 0.5011



2.9218, 0.2658, 0.4770



# Inverse Universe

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



20.1836, 0.4904, 0.2493



22.8143, 0.4996, 0.2526



18.7407, 0.6343, 0.3293



15.8910, 0.3215, 0.3172



10.9145, 0.4953, 0.2502

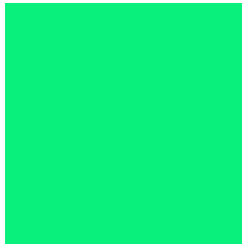


0.9281, 0.4661, 0.2341



# Previews

## White Background



This preview shows how the Yxy color 63.8335, 0.2721, 0.4976 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 63.8335, 0.2721, 0.4976 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

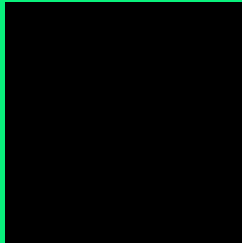
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.8335, 0.2721, 0.4976**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.8335, 0.2721, 0.4976.

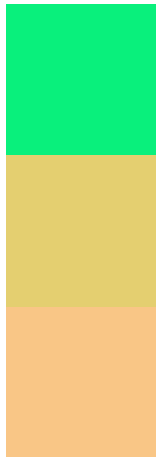


This preview shows how white text looks on a background with the Yxy color 63.8335, 0.2721, 0.4976.

# 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

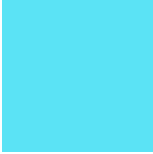
63.8335, 0.2721, 0.4976

### Protanopia

62.2895, 0.3978, 0.4330

### Deuteranopia

62.2491, 0.4048, 0.3964



## Tritanopia

63.7549, 0.2319, 0.3063

# Trichromacy



## Original Color

63.8335, 0.2721, 0.4976



## Protanomaly

58.2199, 0.3268, 0.4675



## Deuteranomaly

56.8816, 0.3300, 0.4394



## Tritanomaly

62.9224, 0.2438, 0.3713

# Monochromacy



## Original Color

63.8335, 0.2721, 0.4976



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

40.9848, 0.2792, 0.3962

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  63.8335, 0.2721, 0.4976 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(9, 240, 124)` looks like.

```
.text, #text, p{  
    color:rgb(9, 240, 124)  
}
```

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(9, 240, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 240, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8335, 0.2721, 0.4976 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(9, 240, 124) }
```

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

```
.border{ border-color:rgb(9, 240, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 240, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 240, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 240, 124);  
box-shadow:4px 4px 4px 4px rgb(9, 240,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8335, 0.2721, 0.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 240, 124) }
```

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

```
.background{ background-color: rgb(9, 240,  
124) }
```

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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