

# Converting Colors

Yxy(49.9695, 0.3139, 0.4921)

Have a look what the booklet for  
Yxy(49.9695, 0.3139, 0.4921)  
contains.

<b>Yxy(50.0125, 0.3134, 0.4920)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**$\text{Yxy}(50.0125, 0.3134, 0.4920)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	71D163
RGB	113, 209, 99
RGB Percent	44%, 82%, 39%
CMY	0.5571, 0.1803, 0.6117
CMYK	0.46, 0.00, 0.53, 0.18
HSL	112°, 54%, 60%
HSV	112°, 53%, 82%
XYZ	31.8576, 50.0125, 19.7814
YIQ	167.7560, -21.9060, -54.5620

# Conversions

## Conversions Part 2

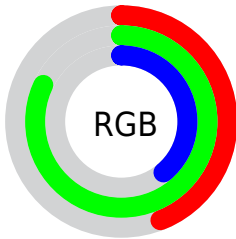
Format	Color
<b>RYB</b>	99, 209, 195
Decimal	7459171
CIELab	76.08, -49.56, 45.48
CIELCh	76, 67.269, 137.461
Yxy	50.0125, 0.3134, 0.4920
Android (android.graphics.Color)	4285649251 (0xFF71D163)
YUV	167.7560, -33.8967, -48.0210
Hunter-Lab	70.7195, -43.3489, 32.9193

# Details

The Yxy color **50.0125, 0.3134, 0.4920** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.1434, 0.3036, 0.1983**, and the grayscale version is **39.2043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3330, 0.3172, 0.4502**, and **24.1007, 0.3067, 0.5438** is the 20% darker color. If you saturate the color by 10%, you get **48.5745, 0.3120, 0.5250**, and if you desaturate by 10%, it is **51.8016, 0.3142, 0.4574**.

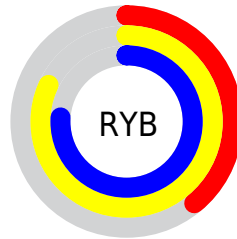
# Distribution



Red (44%)

Green (82%)

Blue (39%)



Red (39%)

Yellow (82%)

Blue (76%)

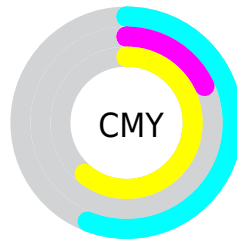


Cyan (46%)

Magenta (0%)

Yellow (53%)

Black (18%)



Cyan (56%)

Magenta (18%)


Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0125, 0.3134, 0.4920 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 50.0125, 0.3134, 0.4920 by changing the saturation by 10% instead.





 50.0125, 0.3134,  
0.4920


 50.0125, 0.3134,  
0.4920


386.7148, 0.3174,  
0.4061


 35.4233, 0.3108,  
0.5142


 90.1934, 0.3160,  
0.4600

 23.9892, 0.3064,  
0.5430


 116.5539, 0.3166,  
0.4482

 15.3256, 0.2987,  
0.5810


 147.6070, 0.3170,  
0.4384

 9.0482, 0.2845,  
0.6327

 183.7371, 0.3172,  
0.4299

 4.7726, 0.2673,  
0.7327

225.3285, 0.3174,  
0.4227

 2.1145, 0.1855,  
0.8145

272.7656, 0.3174,


 0.6728, 0.0000,


0.4165


1.0000


326.4330, 0.3174,  
0.4110

 0.0000, 0.0000,  
0.0000

 50.0125, 0.3134,  
0.4920


 50.0125, 0.3134,  
0.4920


 48.5745, 0.3120,  
0.5250


 51.8016, 0.3142,  
0.4574


 47.4584, 0.3100,  
0.5539


 53.9563, 0.3144,  
0.4233


 46.6408, 0.3075,  
0.5765

 56.4978, 0.3142,  
0.3911

 46.0919, 0.3048,  
0.5912

 59.4438, 0.3137,  
0.3617

 45.8324, 0.3030,  
0.5976

 62.8110, 0.3129,  
0.3354

■ 66.6151, 0.3121,  
0.3122

■ 70.8710, 0.3111,  
0.2920

■ 74.0866, 0.3148,  
0.2841

# Harmonies

## Analogous

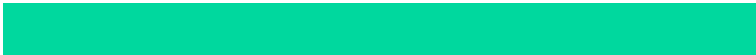
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.0125, 0.3978, 0.4895



50.0125, 0.3134, 0.4920



50.0125, 0.2333, 0.4224

# Triad

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



50.0125, 0.3134, 0.4920



50.0125, 0.1725, 0.2030



50.0125, 0.4636, 0.3111

# Complementary

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



50.0125, 0.3134, 0.4920



25.1434, 0.3036, 0.1983

# 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.



50.0125, 0.3836, 0.2549



50.0125, 0.3134, 0.4920



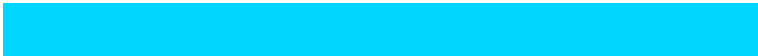
50.0125, 0.2155, 0.1954

# Square

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



50.0125, 0.3134, 0.4920



50.0125, 0.1601, 0.2427



50.0125, 0.2896, 0.2141



50.0125, 0.4929, 0.3745



# Rectangle

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



50.0125, 0.3134, 0.4920



50.0125, 0.1937, 0.3539



50.0125, 0.2896, 0.2141



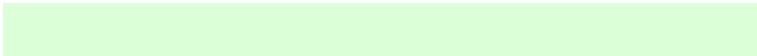
50.0125, 0.4412, 0.2912

# Sweetspot

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



50.0146, 0.3134, 0.4920



91.5023, 0.3139, 0.3718



53.1955, 0.3971, 0.4409



19.3782, 0.3140, 0.3779



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.



50.0146, 0.3134, 0.4920



75.9585, 0.3118, 0.5284



50.1342, 0.2831, 0.4349



13.2770, 0.3135, 0.3529



28.2790, 0.3035, 0.5972



1.6054, 0.3126, 0.5900



# Inverse Universe

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



25.1434, 0.3036, 0.1983



32.8916, 0.3005, 0.1758



25.3358, 0.3661, 0.2448



11.9300, 0.3118, 0.3060



9.0403, 0.2894, 0.1368



0.5272, 0.2955, 0.1402



# Previews

## White Background



This preview shows how the Yxy color 50.0125, 0.3134, 0.4920 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 50.0125, 0.3134, 0.4920 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 50.0125, 0.3134, 0.4920**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.0125, 0.3134, 0.4920.



This preview shows how white text looks on a background with the Yxy color 50.0125, 0.3134, 0.4920.

# 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

50.0125, 0.3134, 0.4920

### Protanopia

49.4352, 0.4036, 0.4419

### Deuteranopia

49.2332, 0.4179, 0.4094



## Tritanopia

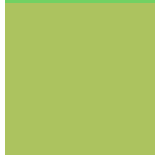
49.8875, 0.2587, 0.3075

# Trichromacy



## Original Color

50.0125, 0.3134, 0.4920



## Protanomaly

48.6271, 0.3662, 0.4614



## Deuteranomaly

47.8338, 0.3758, 0.4390



## Tritanomaly

49.2639, 0.2790, 0.3706

# Monochromacy



## Original Color

50.0125, 0.3134, 0.4920



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

42.1460, 0.3141, 0.3882

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0125, 0.3134, 0.4920 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(113, 209, 99)` looks like.

```
.text, #text, p{  
    color:rgb(113, 209, 99)  
}
```

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(113, 209, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 209, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0125, 0.3134, 0.4920 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(113, 209, 99) }
```

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

```
.border{ border-color:rgb(113, 209, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 209, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 209, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 209, 99);  
box-shadow:4px 4px 4px 4px rgb(113, 209,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0125, 0.3134, 0.4920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 209, 99) }
```

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

```
.background{ background-color: rgb(113,  
209, 99) }
```

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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