

# Converting Colors

Yxy(51.6293, 0.3305, 0.4822)

Have a look what the booklet for  
Yxy(51.6293, 0.3305, 0.4822)  
contains.

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# Color

**Yxy(51.4351, 0.3306, 0.4812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AD064
RGB	138, 208, 100
RGB Percent	54%, 82%, 39%
CMY	0.4588, 0.1843, 0.6079
CMYK	0.34, 0.00, 0.52, 0.18
HSL	99°, 53%, 60%
HSV	99°, 52%, 82%
XYZ	35.3376, 51.4351, 20.1166
YIQ	174.7580, -7.0520, -48.4280

# Conversions

## Conversions Part 2

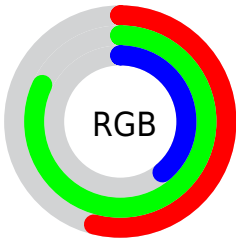
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 208, 170
Decimal	9097316
CIELab	76.94, -41.08, 46.33
CIELCh	77, 61.923, 131.560
Yxy	51.4351, 0.3306, 0.4812
Android (android.graphics.Color)	4287287396 (0xFF8AD064)
YUV	174.7580, -36.8557, -32.2368
Hunter-Lab	71.7183, -37.5551, 33.5723

# Details

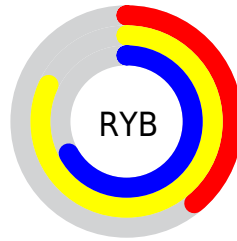
The Yxy color **51.4351, 0.3306, 0.4812** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.2084, 0.2780, 0.1899**, and the grayscale version is **42.9359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2892, 0.3316, 0.4436**, and **24.8349, 0.3289, 0.5273** is the 20% darker color. If you saturate the color by 10%, you get **50.0055, 0.3311, 0.5116**, and if you desaturate by 10%, it is **53.1147, 0.3287, 0.4494**.

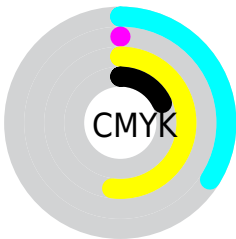
# Distribution



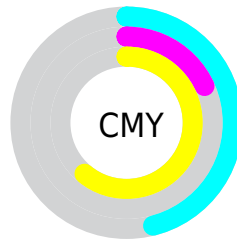
- Red (54%)
- Green (82%)
- Blue (39%)



- Red (39%)
- Yellow (82%)
- Blue (67%)



- Cyan (34%)
- Magenta (0%)
- Yellow (52%)
- Black (18%)




- Cyan (46%)
- Magenta (18%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4351, 0.3306, 0.4812 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 51.4351, 0.3306, 0.4812 by changing the saturation by 10% instead.





 51.4351, 0.3306,  
0.4812

 51.4351, 0.3306,  
0.4812


392.2519, 0.3257,  
0.4023


 36.5550, 0.3303,  
0.5012

 92.2976, 0.3299,  
0.4522


 24.8631, 0.3289,  
0.5267


 119.0488, 0.3293,  
0.4414

 15.9751, 0.3252,  
0.5600


 150.5258, 0.3287,  
0.4323

 9.5065, 0.3168,  
0.6046

 187.1130, 0.3280,  
0.4245

 5.0730, 0.3089,  
0.6900

229.1948, 0.3274,  
0.4178

 2.2902, 0.2540,  
0.7460

277.1557, 0.3268,

 0.7685, 0.0000,

0.4120

1.0000

331.3799, 0.3262,  
0.4069

0.0000, 0.0000,  
0.0000

51.4351, 0.3306,  
0.4812

51.4351, 0.3306,  
0.4812

50.0055, 0.3311,  
0.5116

53.1147, 0.3287,  
0.4494

48.8059, 0.3299,  
0.5387

55.0496, 0.3257,  
0.4178

47.8239, 0.3271,  
0.5608

57.2532, 0.3220,  
0.3875

47.0426, 0.3226,  
0.5767

59.7362, 0.3179,  
0.3594

46.5388, 0.3185,  
0.5853

62.5082, 0.3136,  
0.3337

■ 65.5789, 0.3092,  
0.3106

■ 68.9570, 0.3049,  
0.2900

■ 71.8960, 0.3083,  
0.2822

■ 73.5935, 0.3149,  
0.2831

# Harmonies

## Analogous

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



51.4351, 0.4068, 0.4703



51.4351, 0.3306, 0.4812



51.4351, 0.2538, 0.4297

# Triad

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



51.4351, 0.3306, 0.4812



51.4351, 0.1779, 0.2175



51.4351, 0.4389, 0.3025

# Complementary

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



51.4351, 0.3306, 0.4812



22.2084, 0.2780, 0.1899

# 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.



51.4351, 0.3608, 0.2518



51.4351, 0.3306, 0.4812



51.4351, 0.2128, 0.2043

# Square

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



51.4351, 0.3306, 0.4812



51.4351, 0.1722, 0.2620



51.4351, 0.2765, 0.2171



51.4351, 0.4769, 0.3613

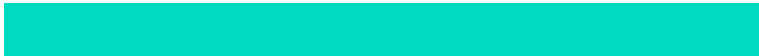


# Rectangle

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



51.4351, 0.3306, 0.4812



51.4351, 0.2129, 0.3706



51.4351, 0.2765, 0.2171



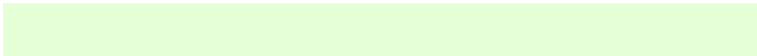
51.4351, 0.4158, 0.2843

# Sweetspot

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



51.4373, 0.3306, 0.4812



92.9715, 0.3197, 0.3711



42.4817, 0.4120, 0.4129



19.7249, 0.3206, 0.3770



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.



51.4373, 0.3306, 0.4812



79.1105, 0.3311, 0.5139



49.0455, 0.2974, 0.4725



13.4058, 0.3168, 0.3527



29.0536, 0.3194, 0.5846



1.6684, 0.3341, 0.5729



# Inverse Universe

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



22.2084, 0.2780, 0.1899



27.9400, 0.2680, 0.1629



26.3983, 0.3343, 0.2192



11.7922, 0.3082, 0.3057



6.0929, 0.2346, 0.1066



0.3841, 0.2506, 0.1154



# Previews

## White Background



This preview shows how the Yxy color 51.4351, 0.3306, 0.4812 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 51.4351, 0.3306, 0.4812 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

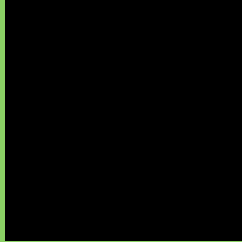
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.4351, 0.3306, 0.4812**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.4351, 0.3306, 0.4812.



This preview shows how white text looks on a background with the Yxy color 51.4351, 0.3306, 0.4812.

# 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

51.4351, 0.3306, 0.4812

### Protanopia

50.7587, 0.4037, 0.4406

### Deuteranopia

50.6930, 0.4202, 0.4102



## Tritanopia

51.3012, 0.2724, 0.3082

# Trichromacy



## Original Color

51.4351, 0.3306, 0.4812



## Protanomaly

50.3917, 0.3749, 0.4565



## Deuteranomaly

49.6967, 0.3854, 0.4359



## Tritanomaly

50.6384, 0.2944, 0.3691

# Monochromacy



## Original Color

51.4351, 0.3306, 0.4812



## Achromatopsia

42.8690, 0.3127, 0.3290



## Achromatomaly

45.3601, 0.3218, 0.3839

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4351, 0.3306, 0.4812 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(138, 208, 100)` looks like.

```
.text, #text, p{  
    color:rgb(138, 208, 100)  
}
```

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(138, 208, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 208, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4351, 0.3306, 0.4812 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(138, 208, 100) }
```

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

```
.border{ border-color:rgb(138, 208, 100) }
```

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

Here you see how a box with a 4 pixel rgb(138, 208, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 208, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 208, 100);  
box-shadow:4px 4px 4px 4px rgb(138, 208,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4351, 0.3306, 0.4812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 208, 100) }
```

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

```
.background{ background-color: rgb(138,  
208, 100) }
```

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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