

# Converting Colors

Yxy(54.4121, 0.3381, 0.4996)

Have a look what the booklet for  
Yxy(54.4121, 0.3381, 0.4996)  
contains.

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**Color**

**Yxy(54.5320, 0.3386, 0.5001)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8ED657
RGB	142, 214, 87
RGB Percent	56%, 84%, 34%
CMY	0.4431, 0.1608, 0.6590
CMYK	0.34, 0.00, 0.59, 0.16
HSL	94°, 61%, 59%
HSV	94°, 59%, 84%
XYZ	36.9217, 54.5320, 17.5885
YIQ	177.9940, -2.1450, -54.7610

# Conversions

## Conversions Part 2

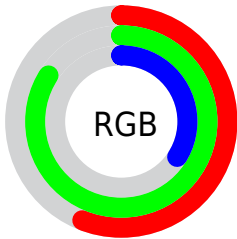
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	87, 214, 159
Decimal	9360983
CIE <sub>Lab</sub>	78.77, -43.67, 54.48
CIE <sub>LCh</sub>	79, 69.819, 128.718
Yxy	54.5320, 0.3386, 0.5001
Android (android.graphics.Color)	4287551063 (0xFF8ED657)
YUV	177.9940, -44.8600, -31.5667
Hunter-Lab	73.8458, -39.9830, 37.5704

# Details

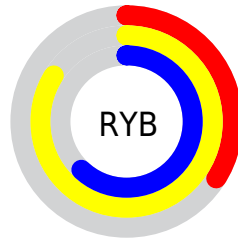
The Yxy color **54.5320, 0.3386, 0.5001** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **19.0335, 0.2604, 0.1661**, and the grayscale version is **44.7602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5852, 0.3410, 0.4551**, and **26.8736, 0.3366, 0.5488** is the 20% darker color. If you saturate the color by 10%, you get **53.2199, 0.3387, 0.5270**, and if you desaturate by 10%, it is **56.0693, 0.3366, 0.4704**.

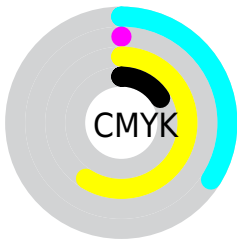
# Distribution



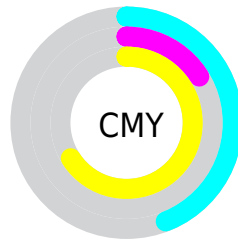
- Red (56%)
- Green (84%)
- Blue (34%)



- Red (34%)
- Yellow (84%)
- Blue (62%)



- Cyan (34%)
- Magenta (0%)
- Yellow (59%)
- Black (16%)




- Cyan (44%)
- Magenta (16%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.5320, 0.3386, 0.5001 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 54.5320, 0.3386, 0.5001 by changing the saturation by 10% instead.




 54.5320, 0.3386,  
0.5001


 54.5320, 0.3386,  
0.5001


404.1355, 0.3312,  
0.4127


 39.0272, 0.3383,  
0.5215


 96.8549, 0.3374,  
0.4684


 26.7808, 0.3367,  
0.5483


 124.4418, 0.3365,  
0.4565

 17.4087, 0.3323,  
0.5825


 156.8248, 0.3356,  
0.4464

 10.5263, 0.3223,  
0.6263

 194.3883, 0.3346,  
0.4377

 5.7493, 0.3057,  
0.6943

237.5167, 0.3337,  
0.4302

 2.6932, 0.2527,  
0.7473

286.5945, 0.3328,

 0.9738, 0.0000,

0.4236

1.0000

342.0059, 0.3320,  
0.4179

0.0000, 0.0000,  
0.0000

54.5320, 0.3386,  
0.5001

54.5320, 0.3386,  
0.5001

53.2199, 0.3387,  
0.5270

56.0693, 0.3366,  
0.4704

52.1126, 0.3368,  
0.5495

57.8364, 0.3332,  
0.4396

51.1974, 0.3330,  
0.5664

59.8467, 0.3287,  
0.4090

50.4514, 0.3277,  
0.5776

62.1102, 0.3236,  
0.3798

50.4080, 0.3273,  
0.5783

64.6364, 0.3180,  
0.3525

67.4342, 0.3124,  
0.3275

70.5121, 0.3068,  
0.3049

73.6723, 0.3034,  
0.2877

75.8552, 0.3119,  
0.2887

# Harmonies

## Analogous

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



54.5320, 0.4207, 0.4788



54.5320, 0.3386, 0.5001



54.5320, 0.2543, 0.4501

# Triad

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



54.5320, 0.3386, 0.5001



54.5320, 0.1648, 0.2101



54.5320, 0.4454, 0.2934

# Complementary

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



54.5320, 0.3386, 0.5001



19.0335, 0.2604, 0.1661

# 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.



54.5320, 0.3561, 0.2405



54.5320, 0.3386, 0.5001



54.5320, 0.1989, 0.1938

# Square

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



54.5320, 0.3386, 0.5001



54.5320, 0.1613, 0.2608



54.5320, 0.2647, 0.2053



54.5320, 0.4921, 0.3556



# Rectangle

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



54.5320, 0.3386, 0.5001



54.5320, 0.2084, 0.3847



54.5320, 0.2647, 0.2053



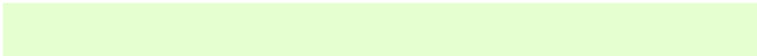
54.5320, 0.4185, 0.2743

# Sweetspot

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



54.5344, 0.3386, 0.5001



92.7842, 0.3229, 0.3764



39.7651, 0.4355, 0.4138



19.6364, 0.3245, 0.3848



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.



54.5344, 0.3386, 0.5001



78.7269, 0.3385, 0.5328



50.9543, 0.3000, 0.5085



14.1564, 0.3180, 0.3526



30.5259, 0.3284, 0.5774



1.8896, 0.3421, 0.5666



# Inverse Universe

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



19.0335, 0.2604, 0.1661



21.4064, 0.2460, 0.1367



25.5414, 0.3284, 0.1987



12.3525, 0.3069, 0.3055



5.4666, 0.2165, 0.0966



0.3782, 0.2340, 0.1063



# Previews

## White Background



This preview shows how the Yxy color 54.5320, 0.3386, 0.5001 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 54.5320, 0.3386, 0.5001 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 54.5320, 0.3386, 0.5001**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.5320, 0.3386, 0.5001.



This preview shows how white text looks on a background with the Yxy color 54.5320, 0.3386, 0.5001.

# 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

54.5320, 0.3386, 0.5001

### Protanopia

53.7766, 0.4145, 0.4540

### Deuteranopia

53.8749, 0.4324, 0.4235



## Tritanopia

54.3601, 0.2732, 0.3087

# Trichromacy



## Original Color

54.5320, 0.3386, 0.5001



## Protanomaly

53.2166, 0.3850, 0.4717



## Deuteranomaly

53.0899, 0.3961, 0.4515



## Tritanomaly

53.9149, 0.2988, 0.3777

# Monochromacy



## Original Color

54.5320, 0.3386, 0.5001



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

47.3053, 0.3260, 0.3929

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.5320, 0.3386, 0.5001 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(142, 214, 87)` looks like.

```
.text, #text, p{  
    color:rgb(142, 214, 87)  
}
```

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(142, 214, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 214, 87) }
```

## Border

The CSS property to change the border of an element to Yxy 54.5320, 0.3386, 0.5001 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(142, 214, 87) }
```

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

```
.border{ border-color:rgb(142, 214, 87) }
```

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

Here you see how a box with a 4 pixel rgb(142, 214, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 214, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 214, 87);  
box-shadow:4px 4px 4px 4px rgb(142, 214,  
87) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.5320, 0.3386, 0.5001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 214, 87) }
```

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

```
.background{ background-color: rgb(142,  
214, 87) }
```

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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