

# Converting Colors

Yxy(52.9876, 0.3200, 0.4665)

Have a look what the booklet for  
Yxy(52.9876, 0.3200, 0.4665)  
contains.

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**Color**

**Yxy(52.9543, 0.3200, 0.4665)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87D372
RGB	135, 211, 114
RGB Percent	53%, 83%, 45%
CMY	0.4706, 0.1725, 0.5528
CMYK	0.36, 0.00, 0.46, 0.17
HSL	107°, 52%, 64%
HSV	107°, 46%, 83%
XYZ	36.3245, 52.9543, 24.2352
YIQ	177.2180, -14.1590, -46.2790

# Conversions

## Conversions Part 2

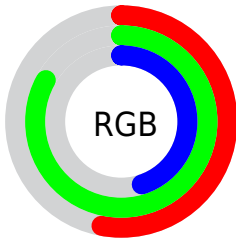
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">114, 211, 190</a>
Decimal	<a href="#">8901490</a>
CIELab	<a href="#">77.85, -41.67, 40.60</a>
CIELCh	<a href="#">78, 58.179, 135.745</a>
Yxy	<a href="#">52.9543, 0.3200, 0.4665</a>
Android (android.graphics.Color)	<a href="#">4287091570 (0xFF87D372)</a>
YUV	<a href="#">177.2180, -31.1665, -37.0252</a>
Hunter-Lab	<a href="#">72.7697, -38.2450, 31.1928</a>

# Details

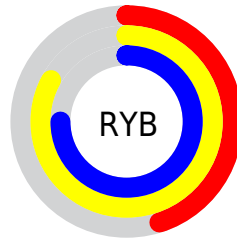
The Yxy color **52.9543, 0.3200, 0.4665** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **27.6970, 0.2964, 0.2104**, and the grayscale version is **44.2620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3864, 0.3223, 0.4285**, and **25.8413, 0.3170, 0.5089** is the 20% darker color. If you saturate the color by 10%, you get **51.2631, 0.3198, 0.4998**, and if you desaturate by 10%, it is **54.9739, 0.3193, 0.4330**.

# Distribution



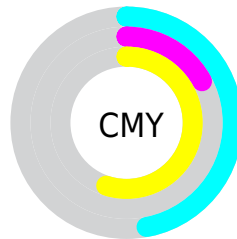
- Red (53%)
- Green (83%)
- Blue (45%)



- Red (45%)
- Yellow (83%)
- Blue (75%)



- Cyan (36%)
- Magenta (0%)
- Yellow (46%)
- Black (17%)



- Cyan (47%)
- Magenta (17%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9543, 0.3200, 0.4665 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 52.9543, 0.3200, 0.4665 by changing the saturation by 10% instead.





 52.9543, 0.3200,  
0.4665

 52.9543, 0.3200,  
0.4665


398.1098, 0.3195,  
0.3953

 37.7663, 0.3190,  
0.4847


 94.5371, 0.3206,  
0.4402

 25.8013, 0.3170,  
0.5081


 121.7007, 0.3206,  
0.4304

 16.6751, 0.3132,  
0.5392


 153.6250, 0.3205,  
0.4222

 10.0031, 0.3054,  
0.5818

190.6943, 0.3203,  
0.4152

 5.4010, 0.2912,  
0.6468

233.2930, 0.3201,  
0.4092

 2.4844, 0.2573,  
0.7427

281.8056, 0.3199,

 0.8688, 0.0000,

0.4039

1.0000

336.6163, 0.3197,  
0.3993

■ 0.0000, 0.0000,  
0.0000

■ 52.9543, 0.3200,  
0.4665

■ 52.9543, 0.3200,  
0.4665

■ 51.2631, 0.3198,  
0.4998

■ 54.9739, 0.3193,  
0.4330

■ 49.8761, 0.3185,  
0.5308

■ 57.3314, 0.3180,  
0.4008

■ 48.7761, 0.3162,  
0.5574

■ 60.0440, 0.3161,  
0.3709


■ 47.9415, 0.3129,  
0.5776

■ 63.1258, 0.3140,  
0.3438


■ 47.3470, 0.3089,  
0.5904

■ 66.5903, 0.3118,  
0.3196

 47.1622, 0.3074,  
0.5941

 70.4500, 0.3095,  
0.2982

 74.2757, 0.3117,  
0.2857

 75.0700, 0.3147,  
0.2861

# Harmonies

## Analogous

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



52.9543, 0.3927, 0.4656



52.9543, 0.3200, 0.4665



52.9543, 0.2493, 0.4115

# Triad

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



52.9543, 0.3200, 0.4665



52.9543, 0.1886, 0.2211



52.9543, 0.4379, 0.3123

# Complementary

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



52.9543, 0.3200, 0.4665



27.6970, 0.2964, 0.2104

# 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.



52.9543, 0.3690, 0.2624



52.9543, 0.3200, 0.4665



52.9543, 0.2258, 0.2118

# Square

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



52.9543, 0.3200, 0.4665



52.9543, 0.1794, 0.2592



52.9543, 0.2894, 0.2269



52.9543, 0.4669, 0.3687



# Rectangle

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



52.9543, 0.3200, 0.4665



52.9543, 0.2129, 0.3560



52.9543, 0.2894, 0.2269



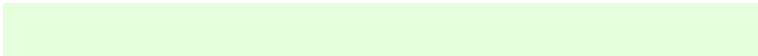
52.9543, 0.4182, 0.2945

# Sweetspot

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



52.9566, 0.3200, 0.4665



92.9843, 0.3158, 0.3658



51.8887, 0.3909, 0.4198



19.6931, 0.3162, 0.3720



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.



52.9566, 0.3200, 0.4665



78.7787, 0.3198, 0.4986



52.1078, 0.2904, 0.4314



13.3277, 0.3148, 0.3528



28.4983, 0.3082, 0.5935



1.6290, 0.3210, 0.5833



# Inverse Universe

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



27.6970, 0.2964, 0.2104



35.3798, 0.2915, 0.1872



29.3323, 0.3475, 0.2457



11.8747, 0.3104, 0.3058



7.7366, 0.2671, 0.1245



0.4654, 0.2775, 0.1302



# Previews

## White Background



This preview shows how the Yxy color 52.9543, 0.3200, 0.4665 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 52.9543, 0.3200, 0.4665 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 52.9543, 0.3200, 0.4665**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.9543, 0.3200, 0.4665.

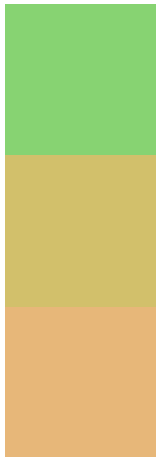


This preview shows how white text looks on a background with the Yxy color 52.9543, 0.3200, 0.4665.

# 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

52.9543, 0.3200, 0.4665

### Protanopia

52.4624, 0.3940, 0.4299

### Deuteranopia

52.2364, 0.4074, 0.3989



## Tritanopia

52.5254, 0.2690, 0.3083

# Trichromacy



## Original Color

52.9543, 0.3200, 0.4665



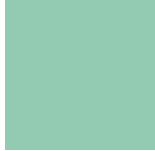
## Protanomaly

52.0399, 0.3644, 0.4435



## Deuteranomaly

51.1837, 0.3730, 0.4232



## Tritanomaly

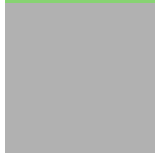
52.0372, 0.2879, 0.3632

# Monochromacy



## Original Color

52.9543, 0.3200, 0.4665



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

46.4097, 0.3170, 0.3779

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.9543, 0.3200, 0.4665 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(135, 211, 114)` looks like.

```
.text, #text, p{  
    color:rgb(135, 211, 114)  
}
```

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(135, 211, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 211, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 52.9543, 0.3200, 0.4665 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(135, 211, 114) }
```

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

```
.border{ border-color:rgb(135, 211, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 211, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 211, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 211, 114);  
box-shadow:4px 4px 4px 4px rgb(135, 211,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.9543, 0.3200, 0.4665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 211, 114) }
```

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

```
.background{ background-color: rgb(135,  
211, 114) }
```

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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