

# Converting Colors

Yxy(63.4942, 0.2985, 0.4424)

Have a look what the booklet for  
Yxy(63.4942, 0.2985, 0.4424)  
contains.

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# Color

**Yxy(63.4942, 0.2985, 0.4424)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83E692
RGB	131, 230, 146
RGB Percent	51%, 90%, 57%
CMY	0.4864, 0.0980, 0.4275
CMYK	0.43, 0.00, 0.37, 0.10
HSL	129°, 66%, 71%
HSV	129°, 43%, 90%
XYZ	42.8414, 63.4942, 37.1866
YIQ	190.8230, -32.0400, -47.1120

# Conversions

## Conversions Part 2

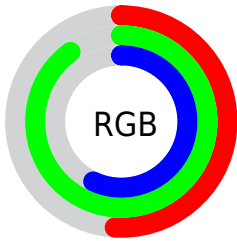
Format	Color
<a href="#">RYB</a>	<a href="#">131, 217, 230</a>
Decimal	<a href="#">8644242</a>
CIELab	<a href="#">83.70, -46.38, 32.10</a>
CIELCh	<a href="#">84, 56.409, 145.315</a>
Yxy	<a href="#">63.4942, 0.2985, 0.4424</a>
Android (android.graphics.Color)	<a href="#">4286834322</a> <a href="#">(0xFF83E692)</a>
YUV	<a href="#">190.8230, -22.0977, -52.4648</a>
Hunter-Lab	<a href="#">79.6832, -43.4759, 28.1088</a>

# Details

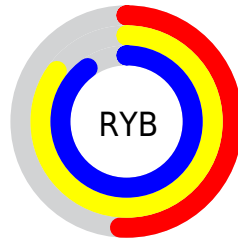
The Yxy color **63.4942, 0.2985, 0.4424** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **37.9563, 0.3318, 0.2375**, and the grayscale version is **52.1341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4284, 0.3022, 0.3895**, and **32.5361, 0.2924, 0.4761** is the 20% darker color. If you saturate the color by 10%, you get **61.3037, 0.2960, 0.4741**, and if you desaturate by 10%, it is **66.2012, 0.3015, 0.4119**.

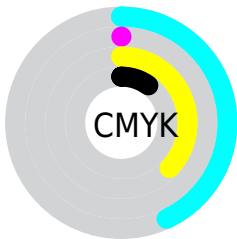
# Distribution



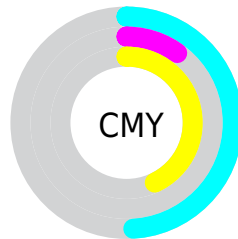
- Red (51%)
- Green (90%)
- Blue (57%)



- Red (51%)
- Yellow (85%)
- Blue (90%)



- Cyan (43%)
- Magenta (0%)
- Yellow (37%)
- Black (10%)



- Cyan (49%)
- Magenta (10%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4942, 0.2985, 0.4424 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 63.4942, 0.2985, 0.4424 by changing the saturation by 10% instead.





 63.4942, 0.2985,  
0.4424


 63.4942, 0.2985,  
0.4424


437.3608, 0.3072,  
0.3851


 46.2411, 0.2958,  
0.4567


 109.8822, 0.3020,  
0.4216

 32.4361, 0.2922,  
0.4750


 139.7859, 0.3033,  
0.4137

 21.6948, 0.2869,  
0.4992


 174.6752, 0.3042,  
0.4071

 13.6329, 0.2787,  
0.5324

214.9347, 0.3051,  
0.4015

 7.8658, 0.2652,  
0.5802

260.9485, 0.3057,  
0.3966

 4.0092, 0.2420,  
0.6575

313.1013, 0.3063,

 1.6787, 0.1556,

0.3923

0.8444

371.7772, 0.3068,  
0.3885

0.4098, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.4942, 0.2985,  
0.4424

63.4942, 0.2985,  
0.4424

61.3037, 0.2960,  
0.4741

66.2012, 0.3015,  
0.4119

59.5893, 0.2944,  
0.5056

69.4464, 0.3048,  
0.3836

58.3173, 0.2937,  
0.5349


73.2600, 0.3083,  
0.3580


57.4459, 0.2942,  
0.5600

77.6673, 0.3117,  
0.3354

 56.9253, 0.2956,  
0.5792

 82.6925, 0.3150,  
0.3155

 56.7191, 0.2969,  
0.5887

 85.0785, 0.3138,  
0.3049

# Harmonies

## Analogous

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



63.4942, 0.3669, 0.4591



63.4942, 0.2985, 0.4424



63.4942, 0.2375, 0.3806

# Triad

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



63.4942, 0.2985, 0.4424



63.4942, 0.2061, 0.2240



63.4942, 0.4402, 0.3309

# Complementary

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



63.4942, 0.2985, 0.4424



37.9563, 0.3318, 0.2375

# 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.



63.4942, 0.3868, 0.2814



63.4942, 0.2985, 0.4424



63.4942, 0.2492, 0.2226

# Square

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



63.4942, 0.2985, 0.4424



63.4942, 0.1891, 0.2511



63.4942, 0.3143, 0.2432



63.4942, 0.4531, 0.3841



# Rectangle

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



63.4942, 0.2985, 0.4424



63.4942, 0.2090, 0.3300



63.4942, 0.3143, 0.2432



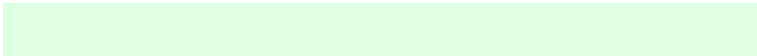
63.4942, 0.4262, 0.3136

# Sweetspot

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



63.4968, 0.2985, 0.4424



92.5651, 0.3083, 0.3581



72.7069, 0.3654, 0.4394



19.5702, 0.3075, 0.3635



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.



63.4968, 0.2985, 0.4424



77.6550, 0.2962, 0.4717



65.3777, 0.2719, 0.3739



16.1246, 0.3095, 0.3495



32.1196, 0.2964, 0.5869



2.3846, 0.2900, 0.5639



# Inverse Universe

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



37.9563, 0.3318, 0.2375



41.2697, 0.3370, 0.2199



35.7902, 0.3848, 0.2894



14.5757, 0.3161, 0.3093



11.7728, 0.3632, 0.1775

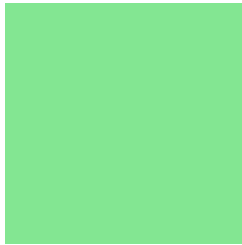


0.8802, 0.3561, 0.1735



# Previews

## White Background



This preview shows how the Yxy color 63.4942, 0.2985, 0.4424 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 63.4942, 0.2985, 0.4424 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 63.4942, 0.2985, 0.4424**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.4942, 0.2985, 0.4424.

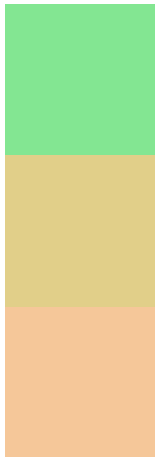


This preview shows how white text looks on a background with the Yxy color 63.4942, 0.2985, 0.4424.

# 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

63.4942, 0.2985, 0.4424

### Protanopia

62.4393, 0.3783, 0.4081

### Deuteranopia

62.5592, 0.3863, 0.3786



## Tritanopia

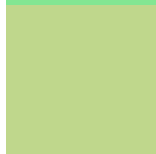
63.2615, 0.2582, 0.3071

# Trichromacy



## Original Color

63.4942, 0.2985, 0.4424



## Protanomaly

61.5707, 0.3457, 0.4214



## Deuteranomaly

61.1326, 0.3507, 0.4011



## Tritanomaly

62.9746, 0.2726, 0.3532

# Monochromacy



## Original Color

63.4942, 0.2985, 0.4424



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

55.1928, 0.3064, 0.3682

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4942, 0.2985, 0.4424 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(131, 230, 146)` looks like.

```
.text, #text, p{  
    color:rgb(131, 230, 146)  
}
```

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(131, 230, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 230, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4942, 0.2985, 0.4424 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(131, 230, 146) }
```

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

```
.border{ border-color:rgb(131, 230, 146) }
```

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

Here you see how a box with a 4 pixel rgb(131, 230, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 230, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 230, 146);  
box-shadow:4px 4px 4px 4px rgb(131, 230,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.4942, 0.2985, 0.4424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 230, 146) }
```

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

```
.background{ background-color: rgb(131,  
230, 146) }
```

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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