

# Converting Colors

$Yxy(63.6460, 0.3010, 0.5421)$

Have a look what the booklet for  
Yxy(63.6460, 0.3010, 0.5421)  
contains.

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**Color**

**Yxy(63.9200, 0.3009, 0.5425)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DEF52
RGB	77, 239, 82
RGB Percent	30%, 94%, 32%
CMY	0.6978, 0.0627, 0.6784
CMYK	0.68, 0.00, 0.66, 0.06
HSL	122°, 84%, 62%
HSV	122°, 68%, 94%
XYZ	35.4535, 63.9200, 18.4514
YIQ	172.6640, -46.1550, -83.1710

# Conversions

## Conversions Part 2

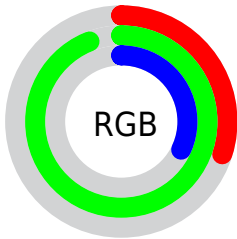
Format	Color
<a href="#">RYB</a>	<a href="#">77, 234, 239</a>
Decimal	<a href="#">5107538</a>
CIELab	<a href="#">83.92, -70.78, 61.61</a>
CIELCh	<a href="#">84, 93.839, 138.965</a>
Yxy	<a href="#">63.9200, 0.3009, 0.5425</a>
Android (android.graphics.Color)	<a href="#">4283297618 (0xFF4DEF52)</a>
YUV	<a href="#">172.6640, -44.6974, -83.8973</a>
Hunter-Lab	<a href="#">79.9500, -60.7573, 42.2817</a>

# Details

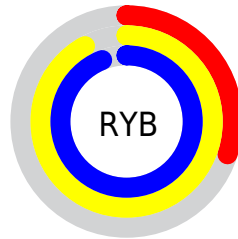
The Yxy color **63.9200, 0.3009, 0.5425** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **29.6106, 0.3248, 0.1811**, and the grayscale version is **41.8680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3747, 0.3096, 0.4724**, and **33.4964, 0.2982, 0.5935** is the 20% darker color. If you saturate the color by 10%, you get **62.8084, 0.3000, 0.5688**, and if you desaturate by 10%, it is **65.5210, 0.3023, 0.5106**.

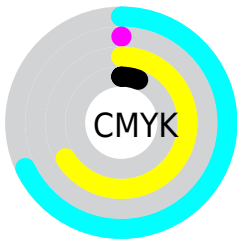
# Distribution



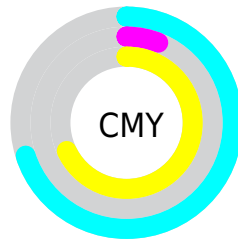
- Red (30%)
- Green (94%)
- Blue (32%)



- Red (30%)
- Yellow (92%)
- Blue (94%)



- Cyan (68%)
- Magenta (0%)
- Yellow (66%)
- Black (6%)




- Cyan (70%)
- Magenta (6%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9200, 0.3009, 0.5425 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 63.9200, 0.3009, 0.5425 by changing the saturation by 10% instead.




 63.9200, 0.3009,  
0.5425


 63.9200, 0.3009,  
0.5425


438.9007, 0.3141,  
0.4334

 46.5859, 0.2954,  
0.5690

 110.4957, 0.3074,  
0.5031


 32.7084, 0.2871,  
0.6021


 140.5061, 0.3093,  
0.4881

 21.9032, 0.2741,  
0.6439


 175.5107, 0.3108,  
0.4755

 13.7858, 0.2534,  
0.6967

 215.8939, 0.3118,  
0.4646

 7.9718, 0.2231,  
0.7769

262.0401, 0.3126,  
0.4552

 4.0769, 0.1622,  
0.8378

314.3337, 0.3132,

 1.7167, 0.0000,

0.4470

1.0000

373.1591, 0.3137,  
0.4398

0.4344, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.9200, 0.3009,  
0.5425

63.9200, 0.3009,  
0.5425

62.8084, 0.3000,  
0.5688

65.5210, 0.3023,  
0.5106

62.1235, 0.2996,  
0.5873


67.6501, 0.3040,  
0.4758


61.7955, 0.2997,  
0.5973

70.3512, 0.3059,  
0.4405


61.7492, 0.2996,  
0.5986

73.6614, 0.3078,  
0.4068

 77.6146, 0.3097,  
0.3758

 82.2424, 0.3114,  
0.3481

 87.5742, 0.3131,  
0.3238

 90.2132, 0.3134,  
0.3136

# Harmonies

## Analogous

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



63.9200, 0.4042, 0.5300



63.9200, 0.3009, 0.5425



63.9200, 0.2058, 0.4456

# Triad

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



63.9200, 0.3009, 0.5425



63.9200, 0.1449, 0.1733



63.9200, 0.5092, 0.3054

# Complementary

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



63.9200, 0.3009, 0.5425



29.6106, 0.3248, 0.1811

# 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.



63.9200, 0.4080, 0.2400



63.9200, 0.3009, 0.5425



63.9200, 0.1960, 0.1680

# Square

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



63.9200, 0.3009, 0.5425



63.9200, 0.1285, 0.2148



63.9200, 0.2872, 0.1914



63.9200, 0.5372, 0.3785



# Rectangle

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



63.9200, 0.3009, 0.5425



63.9200, 0.1612, 0.3509



63.9200, 0.2872, 0.1914



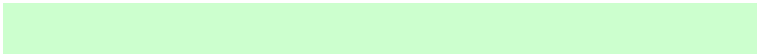
63.9200, 0.4818, 0.2825

# Sweetspot

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



63.9227, 0.3009, 0.5425



88.7921, 0.3093, 0.3827



80.1543, 0.4029, 0.4828



18.7228, 0.3087, 0.3913



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.



63.9227, 0.3009, 0.5425



72.4329, 0.2998, 0.5763



65.8771, 0.2682, 0.4380



17.6642, 0.3112, 0.3527



34.1273, 0.2995, 0.5981



2.8418, 0.2980, 0.5930



# Inverse Universe

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



29.6106, 0.3248, 0.1811



30.2314, 0.3268, 0.1664



26.0445, 0.4246, 0.2502



16.0226, 0.3143, 0.3064



13.3552, 0.3287, 0.1584

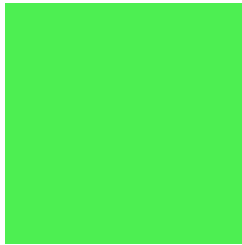


1.1136, 0.3276, 0.1578



# Previews

## White Background



This preview shows how the Yxy color 63.9200, 0.3009, 0.5425 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

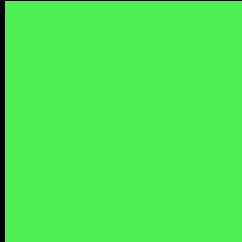
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.9200, 0.3009, 0.5425 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

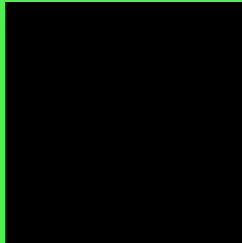
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

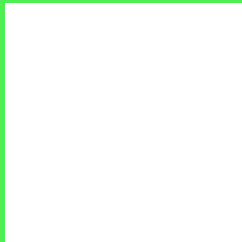
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.9200, 0.3009, 0.5425**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.9200, 0.3009, 0.5425.

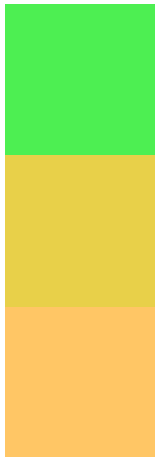


This preview shows how white text looks on a background with the Yxy color 63.9200, 0.3009, 0.5425.

# 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

63.9200, 0.3009, 0.5425

### Protanopia

62.7486, 0.4219, 0.4641

### Deuteranopia

62.5878, 0.4327, 0.4246



## Tritanopia

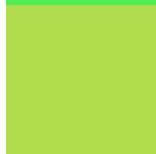
63.7152, 0.2427, 0.3066

# Trichromacy



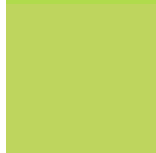
## Original Color

63.9200, 0.3009, 0.5425



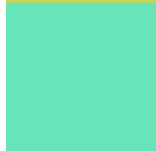
## Protanomaly

60.4149, 0.3678, 0.4989



## Deuteranomaly

59.3438, 0.3735, 0.4711



## Tritanomaly

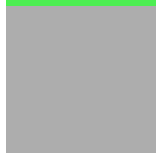
62.4424, 0.2649, 0.3903

# Monochromacy



## Original Color

63.9200, 0.3009, 0.5425



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

47.2292, 0.3073, 0.4125

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.9200, 0.3009, 0.5425 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(77, 239, 82)` looks like.

```
.text, #text, p{  
    color:rgb(77, 239, 82)  
}
```

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(77, 239, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 239, 82) }
```

## Border

The CSS property to change the border of an element to Yxy 63.9200, 0.3009, 0.5425 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(77, 239, 82) }
```

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

```
.border{ border-color:rgb(77, 239, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 239, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 239, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 239, 82);  
box-shadow:4px 4px 4px 4px rgb(77, 239,  
82) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.9200, 0.3009, 0.5425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 239, 82) }
```

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

```
.background{ background-color: rgb(77, 239,  
82) }
```

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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