

# Converting Colors

$Yxy(62.2570, 0.3107, 0.4837)$

Have a look what the booklet for  
Yxy(62.2570, 0.3107, 0.4837)  
contains.

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# Color

**Yxy(62.2902, 0.3110, 0.4837)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EE674
RGB	126, 230, 116
RGB Percent	49%, 90%, 45%
CMY	0.5060, 0.0980, 0.5450
CMYK	0.45, 0.00, 0.50, 0.10
HSL	115°, 70%, 68%
HSV	115°, 50%, 90%
XYZ	40.0501, 62.2902, 26.4382
YIQ	185.9080, -25.3900, -57.5020

# Conversions

## Conversions Part 2

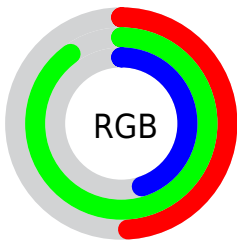
Format	Color
<a href="#">RYB</a>	<a href="#">116, 230, 220</a>
Decimal	<a href="#">8316532</a>
CIELab	<a href="#">83.07, -52.16, 46.03</a>
CIELCh	<a href="#">83, 69.571, 138.573</a>
Yxy	<a href="#">62.2902, 0.3110, 0.4837</a>
Android (android.graphics.Color)	<a href="#">4286506612</a> ( <a href="#">0xFF7EE674</a> )
YUV	<a href="#">185.9080, -34.4646, -52.5393</a>
Hunter-Lab	<a href="#">78.9241, -47.5372, 35.3858</a>

# Details

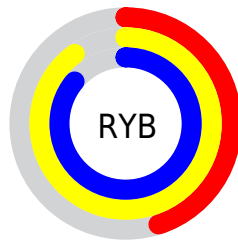
The Yxy color **62.2902, 0.3110, 0.4837** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **33.4315, 0.3087, 0.2061**, and the grayscale version is **49.2534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6126, 0.3164, 0.4264**, and **31.8356, 0.3051, 0.5285** is the 20% darker color. If you saturate the color by 10%, you get **60.3907, 0.3096, 0.5179**, and if you desaturate by 10%, it is **64.6622, 0.3120, 0.4485**.

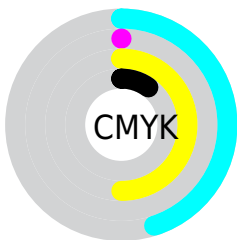
# Distribution



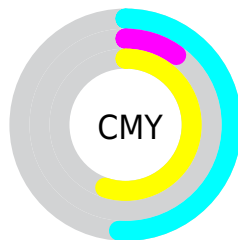
- Red (49%)
- Green (90%)
- Blue (45%)



- Red (45%)
- Yellow (90%)
- Blue (86%)



- Cyan (45%)
- Magenta (0%)
- Yellow (50%)
- Black (10%)




- Cyan (51%)
- Magenta (10%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2902, 0.3110, 0.4837 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 62.2902, 0.3110, 0.4837 by changing the saturation by 10% instead.




 62.2902, 0.3110,  
0.4837


 62.2902, 0.3110,  
0.4837


432.9889, 0.3157,  
0.4050

 45.2672, 0.3086,  
0.5032


 108.1448, 0.3136,  
0.4551

 31.6680, 0.3049,  
0.5280


 137.7453, 0.3143,  
0.4443

 21.1080, 0.2988,  
0.5603


 172.3070, 0.3148,  
0.4352

 13.2030, 0.2883,  
0.6035

212.2145, 0.3151,  
0.4274

 7.5685, 0.2695,  
0.6632

257.8520, 0.3154,  
0.4207

 3.8201, 0.2381,  
0.7619

309.6039, 0.3155,

 1.5734, 0.0606,

0.4148

0.9394

367.8548, 0.3156,  
0.4096

0.3396, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.2902, 0.3110,  
0.4837

62.2902, 0.3110,  
0.4837

60.3907, 0.3096,  
0.5179

64.6622, 0.3120,  
0.4485

58.9248, 0.3078,  
0.5486

67.5272, 0.3126,  
0.4142

57.8602, 0.3057,  
0.5731

70.9136, 0.3129,  
0.3823

57.1566, 0.3035,  
0.5897

74.8457, 0.3129,  
0.3535

 56.7602, 0.3017,  
0.5984

 79.3461, 0.3127,  
0.3280

 56.7481, 0.3016,  
0.5987

 84.4361, 0.3124,  
0.3056

 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.



62.2902, 0.3929, 0.4850



62.2902, 0.3110, 0.4837



62.2902, 0.2340, 0.4150

# Triad

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



62.2902, 0.3110, 0.4837



62.2902, 0.1778, 0.2064



62.2902, 0.4599, 0.3145

# Complementary

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



62.2902, 0.3110, 0.4837



33.4315, 0.3087, 0.2061

# 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.



62.2902, 0.3844, 0.2593



62.2902, 0.3110, 0.4837



62.2902, 0.2210, 0.1998

# Square

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



62.2902, 0.3110, 0.4837



62.2902, 0.1648, 0.2441



62.2902, 0.2938, 0.2188



62.2902, 0.4863, 0.3764



# Rectangle

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



62.2902, 0.3110, 0.4837



62.2902, 0.1962, 0.3496



62.2902, 0.2938, 0.2188



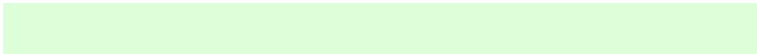
62.2902, 0.4389, 0.2950

# Sweetspot

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



62.2928, 0.3110, 0.4837



91.7465, 0.3129, 0.3690



68.5450, 0.3909, 0.4391



19.4171, 0.3129, 0.3752



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.



62.2928, 0.3110, 0.4837



76.3604, 0.3096, 0.5172



62.9072, 0.2821, 0.4227



16.1490, 0.3129, 0.3532



32.1467, 0.3020, 0.5984



2.3964, 0.3073, 0.5942



# Inverse Universe

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



33.4315, 0.3087, 0.2061



36.0846, 0.3071, 0.1859



32.7961, 0.3666, 0.2527



14.5479, 0.3124, 0.3057



11.0118, 0.2991, 0.1421

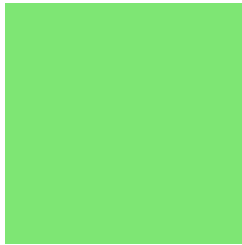


0.8326, 0.3025, 0.1440



# Previews

## White Background



This preview shows how the Yxy color 62.2902, 0.3110, 0.4837 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 62.2902, 0.3110, 0.4837 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 62.2902, 0.3110, 0.4837**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2902, 0.3110, 0.4837.



This preview shows how white text looks on a background with the Yxy color 62.2902, 0.3110, 0.4837.

# 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

62.2902, 0.3110, 0.4837

### Protanopia

61.5562, 0.4001, 0.4362

### Deuteranopia

61.0748, 0.4133, 0.4042



## Tritanopia

61.9558, 0.2589, 0.3081

# Trichromacy



## Original Color

62.2902, 0.3110, 0.4837



## Protanomaly

60.6957, 0.3631, 0.4553



## Deuteranomaly

59.3296, 0.3713, 0.4328



## Tritanomaly

61.6669, 0.2786, 0.3694

# Monochromacy



## Original Color

62.2902, 0.3110, 0.4837



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

52.7068, 0.3124, 0.3842

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.2902, 0.3110, 0.4837 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(126, 230, 116)` looks like.

```
.text, #text, p{  
    color:rgb(126, 230, 116)  
}
```

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(126, 230, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 230, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2902, 0.3110, 0.4837 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(126, 230, 116) }
```

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

```
.border{ border-color:rgb(126, 230, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 230, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 230, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 230, 116);  
box-shadow:4px 4px 4px 4px rgb(126, 230,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2902, 0.3110, 0.4837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 230, 116) }
```

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

```
.background{ background-color: rgb(126,  
230, 116) }
```

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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