

# Converting Colors

$Yxy(62.9013, 0.3225, 0.4745)$

Have a look what the booklet for  
Yxy(62.9013, 0.3225, 0.4745)  
contains.

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**Color**

**Yxy(62.8146, 0.3221, 0.4740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91E476
RGB	145, 228, 118
RGB Percent	57%, 89%, 46%
CMY	0.4316, 0.1058, 0.5372
CMYK	0.36, 0.00, 0.48, 0.11
HSL	105°, 67%, 68%
HSV	105°, 48%, 89%
XYZ	42.6848, 62.8146, 27.0209
YIQ	190.6430, -14.1580, -51.8060

# Conversions

## Conversions Part 2

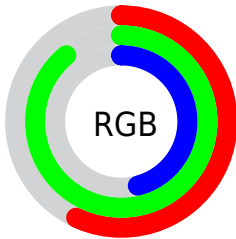
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 228, 201
Decimal	9561206
CIELab	83.34, -45.31, 45.60
CIElCh	83, 64.287, 134.819
Yxy	62.8146, 0.3221, 0.4740
Android (android.graphics.Color)	4287751286 (0xFF91E476)
YUV	190.6430, -35.8130, -40.0289
Hunter-Lab	79.2557, -42.5625, 35.2650

# Details

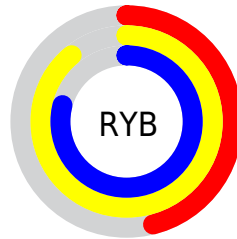
The Yxy color **62.8146, 0.3221, 0.4740** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **30.9944, 0.2922, 0.2031**, and the grayscale version is **52.0963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0551, 0.3266, 0.4208**, and **32.0222, 0.3194, 0.5151** is the 20% darker color. If you saturate the color by 10%, you get **60.8921, 0.3219, 0.5067**, and if you desaturate by 10%, it is **65.1105, 0.3213, 0.4406**.

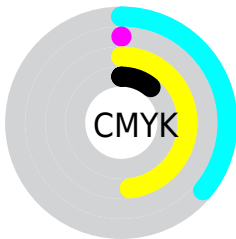
# Distribution



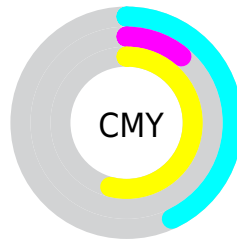
- Red (57%)
- Green (89%)
- Blue (46%)



- Red (46%)
- Yellow (89%)
- Blue (79%)



- Cyan (36%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)




- Cyan (43%)
- Magenta (11%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8146, 0.3221, 0.4740 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 62.8146, 0.3221, 0.4740 by changing the saturation by 10% instead.





 62.8146, 0.3221,  
0.4740


 62.8146, 0.3221,  
0.4740


434.8963, 0.3211,  
0.4009


 45.6912, 0.3212,  
0.4919

 108.9020, 0.3226,  
0.4476

 32.0022, 0.3193,  
0.5146


 138.6348, 0.3225,  
0.4376

 21.3632, 0.3158,  
0.5440


 173.3396, 0.3224,  
0.4291

 13.3898, 0.3088,  
0.5831

213.4007, 0.3221,  
0.4219

 7.6975, 0.2948,  
0.6365

259.2025, 0.3219,  
0.4156

 3.9020, 0.2722,  
0.7278

311.1295, 0.3216,

 1.6189, 0.1555,

0.4101

0.8445

369.5659, 0.3213,  
0.4053

■ 0.3703, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.8146, 0.3221,  
0.4740

■ 62.8146, 0.3221,  
0.4740

■ 60.8921, 0.3219,  
0.5067

■ 65.1105, 0.3213,  
0.4406

■ 59.3148, 0.3205,  
0.5367

■ 67.7905, 0.3196,  
0.4081


■ 58.0630, 0.3179,  
0.5617


■ 70.8744, 0.3174,  
0.3776


■ 57.1113, 0.3141,  
0.5800

■ 74.3786, 0.3149,  
0.3498

 56.4277, 0.3098,  
0.5912

 78.3182, 0.3122,  
0.3248

 56.3291, 0.3091,  
0.5928

 82.7080, 0.3095,  
0.3027

 83.9736, 0.3139,  
0.3029

# Harmonies

## Analogous

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



62.8146, 0.3974, 0.4702



62.8146, 0.3221, 0.4740



62.8146, 0.2484, 0.4180

# Triad

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



62.8146, 0.3221, 0.4740



62.8146, 0.1834, 0.2176



62.8146, 0.4417, 0.3094

# Complementary

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



62.8146, 0.3221, 0.4740



30.9944, 0.2922, 0.2031

# Split Complementary

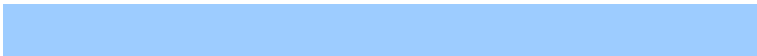
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.8146, 0.3687, 0.2585



62.8146, 0.3221, 0.4740



62.8146, 0.2208, 0.2075

# Square

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



62.8146, 0.3221, 0.4740



62.8146, 0.1748, 0.2577



62.8146, 0.2859, 0.2224



62.8146, 0.4733, 0.3675



# Rectangle

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



62.8146, 0.3221, 0.4740



62.8146, 0.2103, 0.3598



62.8146, 0.2859, 0.2224



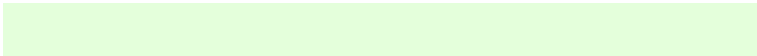
62.8146, 0.4206, 0.2913

# Sweetspot

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



62.8173, 0.3221, 0.4740



93.1507, 0.3164, 0.3657



59.3523, 0.3973, 0.4208



19.7332, 0.3170, 0.3719



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.



62.8173, 0.3221, 0.4740



78.4506, 0.3219, 0.5071



61.4073, 0.2915, 0.4434



16.2587, 0.3152, 0.3530



32.5689, 0.3099, 0.5921



2.4494, 0.3201, 0.5841



# Inverse Universe

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



30.9944, 0.2922, 0.2031



32.7845, 0.2861, 0.1787



33.6529, 0.3461, 0.2378



14.4282, 0.3099, 0.3056



8.3691, 0.2598, 0.1205



0.6610, 0.2691, 0.1256



# Previews

## White Background



This preview shows how the Yxy color 62.8146, 0.3221, 0.4740 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 62.8146, 0.3221, 0.4740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

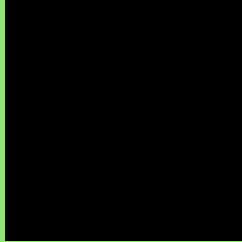
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.8146, 0.3221, 0.4740**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.8146, 0.3221, 0.4740.



This preview shows how white text looks on a background with the Yxy color 62.8146, 0.3221, 0.4740.

# 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

62.8146, 0.3221, 0.4740

### Protanopia

62.2673, 0.3985, 0.4340

### Deuteranopia

61.7629, 0.4121, 0.4030



## Tritanopia

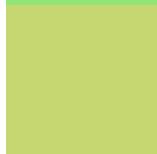
62.4264, 0.2688, 0.3085

# Trichromacy



## Original Color

62.8146, 0.3221, 0.4740



## Protanomaly

61.8215, 0.3678, 0.4492



## Deuteranomaly

60.5389, 0.3767, 0.4280



## Tritanomaly

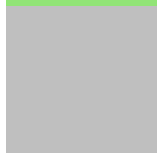
62.2171, 0.2888, 0.3659

# Monochromacy



## Original Color

62.8146, 0.3221, 0.4740



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

54.8647, 0.3179, 0.3812

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8146, 0.3221, 0.4740 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(145, 228, 118)` looks like.

```
.text, #text, p{  
    color:rgb(145, 228, 118)  
}
```

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(145, 228, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 228, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8146, 0.3221, 0.4740 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(145, 228, 118) }
```

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

```
.border{ border-color:rgb(145, 228, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 228, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 228, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 228, 118); box-shadow:4px 4px 4px 4px rgb(145, 228, 118) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8146, 0.3221, 0.4740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 228, 118) }
```

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

```
.background{ background-color: rgb(145,  
228, 118) }
```

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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