

# Converting Colors

Yxy(62.5620, 0.3216, 0.4616)

Have a look what the booklet for  
Yxy(62.5620, 0.3216, 0.4616)  
contains.

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**Color**

**Yxy(62.3831, 0.3215, 0.4607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96E27E
RGB	150, 226, 126
RGB Percent	59%, 89%, 49%
CMY	0.4120, 0.1137, 0.5058
CMYK	0.34, 0.00, 0.44, 0.11
HSL	106°, 63%, 69%
HSV	106°, 44%, 89%
XYZ	43.5341, 62.3831, 29.4922
YIQ	191.8760, -13.1960, -47.2120

# Conversions

## Conversions Part 2

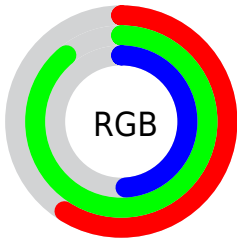
<b>Format</b>	<b>Color</b>
<b>RYB</b>	126, 226, 202
Decimal	9888382
CIELab	83.12, -41.81, 41.49
CIElCh	83, 58.899, 135.220
Yxy	62.3831, 0.3215, 0.4607
Android (android.graphics.Color)	4288078462 (0xFF96E27E)
YUV	191.8760, -32.4769, -36.7253
Hunter-Lab	78.9830, -39.8339, 33.1493

# Details

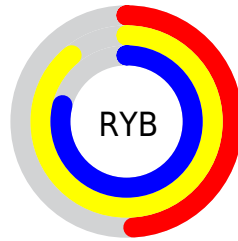
The Yxy color **62.3831, 0.3215, 0.4607** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.9877, 0.2950, 0.2135**, and the grayscale version is **52.8313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0807, 0.3254, 0.4110**, and **31.6903, 0.3194, 0.4971** is the 20% darker color. If you saturate the color by 10%, you get **60.3541, 0.3217, 0.4940**, and if you desaturate by 10%, it is **64.7885, 0.3204, 0.4274**.

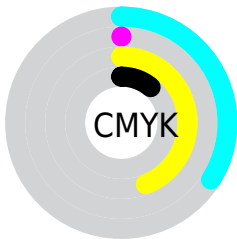
# Distribution



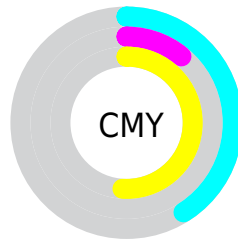
- Red (59%)
- Green (89%)
- Blue (49%)



- Red (49%)
- Yellow (89%)
- Blue (79%)



- Cyan (34%)
- Magenta (0%)
- Yellow (44%)
- Black (11%)




- Cyan (41%)
- Magenta (11%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3831, 0.3215, 0.4607 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 62.3831, 0.3215, 0.4607 by changing the saturation by 10% instead.




 62.3831, 0.3215,  
0.4607


 62.3831, 0.3215,  
0.4607


433.3271, 0.3201,  
0.3944

 45.3423, 0.3209,  
0.4770

 108.2790, 0.3217,  
0.4367

 31.7271, 0.3196,  
0.4978

 137.9030, 0.3216,  
0.4276

 21.1532, 0.3169,  
0.5248


 172.4901, 0.3214,  
0.4200

 13.2360, 0.3115,  
0.5611

212.4248, 0.3211,  
0.4134

 7.5913, 0.3003,  
0.6113

258.0914, 0.3209,  
0.4077

 3.8345, 0.2879,  
0.7121

309.8744, 0.3206,

 1.5814, 0.1853,

0.4027

0.8147

368.1582, 0.3204,  
0.3983

■ 0.3450, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.3831, 0.3215,  
0.4607

■ 62.3831, 0.3215,  
0.4607

■ 60.3541, 0.3217,  
0.4940

■ 64.7885, 0.3204,  
0.4274

■ 58.6741, 0.3208,  
0.5254


■ 67.5803, 0.3186,  
0.3956

■ 57.3246, 0.3186,  
0.5527


■ 70.7777, 0.3163,  
0.3662

■ 56.2818, 0.3153,  
0.5739

■ 74.3964, 0.3138,  
0.3395

 55.5181, 0.3111,  
0.5878

 78.4514, 0.3112,  
0.3156

 55.1861, 0.3087,  
0.5931

 82.5223, 0.3127,  
0.3008

 82.8795, 0.3140,  
0.3009

# Harmonies

## Analogous

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



62.3831, 0.3913, 0.4598



62.3831, 0.3215, 0.4607



62.3831, 0.2531, 0.4090

# Triad

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



62.3831, 0.3215, 0.4607



62.3831, 0.1925, 0.2255



62.3831, 0.4318, 0.3123

# Complementary

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



62.3831, 0.3215, 0.4607



32.9877, 0.2950, 0.2135

# 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.



62.3831, 0.3655, 0.2642



62.3831, 0.3215, 0.4607



62.3831, 0.2282, 0.2158

# Square

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



62.3831, 0.3215, 0.4607



62.3831, 0.1842, 0.2632



62.3831, 0.2893, 0.2300



62.3831, 0.4607, 0.3671



# Rectangle

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



62.3831, 0.3215, 0.4607



62.3831, 0.2176, 0.3565



62.3831, 0.2893, 0.2300



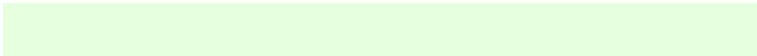
62.3831, 0.4127, 0.2952

# Sweetspot

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



62.3858, 0.3215, 0.4607



93.5730, 0.3161, 0.3629



59.4581, 0.3897, 0.4136



19.8154, 0.3166, 0.3692



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.



62.3858, 0.3215, 0.4607



79.5663, 0.3217, 0.4911



61.0719, 0.2928, 0.4320



15.4948, 0.3152, 0.3530



31.5255, 0.3096, 0.5924



2.2262, 0.3203, 0.5838



# Inverse Universe

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



32.9877, 0.2950, 0.2135



36.2507, 0.2898, 0.1908



35.3161, 0.3425, 0.2450



13.7618, 0.3100, 0.3056



8.1883, 0.2612, 0.1213



0.6078, 0.2708, 0.1266



# Previews

## White Background



This preview shows how the Yxy color 62.3831, 0.3215, 0.4607 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 62.3831, 0.3215, 0.4607 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

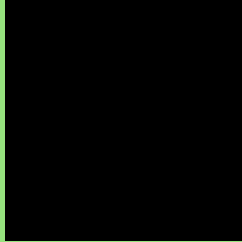
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.3831, 0.3215, 0.4607**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3831, 0.3215, 0.4607.

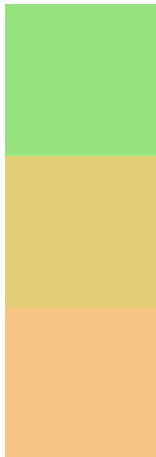


This preview shows how white text looks on a background with the Yxy color 62.3831, 0.3215, 0.4607.

# 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

62.3831, 0.3215, 0.4607

### Protanopia

61.6433, 0.3921, 0.4258

### Deuteranopia

61.5824, 0.4052, 0.3967



## Tritanopia

62.1875, 0.2710, 0.3086

# Trichromacy



## Original Color

62.3831, 0.3215, 0.4607



## Protanomaly

60.9994, 0.3637, 0.4385



## Deuteranomaly

60.7205, 0.3720, 0.4203



## Tritanomaly

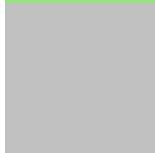
61.5701, 0.2894, 0.3607

# Monochromacy



## Original Color

62.3831, 0.3215, 0.4607



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

55.3600, 0.3174, 0.3755

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3831, 0.3215, 0.4607 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(150, 226, 126)` looks like.

```
.text, #text, p{  
    color:rgb(150, 226, 126)  
}
```

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(150, 226, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 226, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3831, 0.3215, 0.4607 is called "border". The border property can be set on classes, ids or directly on the HTML element.

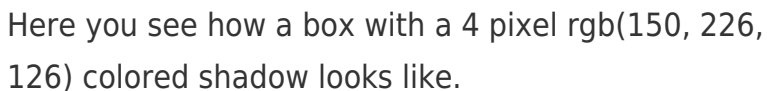
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 226, 126) }
```

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

```
.border{ border-color:rgb(150, 226, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(150, 226, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 226, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 226, 126); box-shadow:4px 4px 4px 4px rgb(150, 226, 126) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3831, 0.3215, 0.4607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 226, 126) }
```

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

```
.background{ background-color: rgb(150,  
226, 126) }
```

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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