

# Converting Colors

Yxy(62.4855, 0.3887, 0.4147)

Have a look what the booklet for  
Yxy(62.4855, 0.3887, 0.4147)  
contains.

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# Color

**Yxy(62.5506, 0.3886, 0.4143)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6CE81
RGB	230, 206, 129
RGB Percent	90%, 81%, 51%
CMY	0.0980, 0.1922, 0.4940
CMYK	0.00, 0.10, 0.44, 0.10
HSL	46°, 67%, 70%
HSV	46°, 44%, 90%
XYZ	58.6704, 62.5506, 29.7580
YIQ	204.3980, 39.0210, -18.8590

# Conversions

## Conversions Part 2

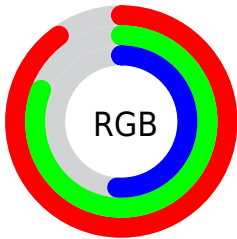
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	160, 230, 129
Decimal	15126145
CIE Lab	83.21, -1.88, 41.25
CIE LCh	83, 41.296, 92.614
Yxy	62.5506, 0.3886, 0.4143
Android (android.graphics.Color)	4293316225 (0xFFE6CE81)
YUV	204.3980, -37.1712, 22.4530
Hunter-Lab	79.0889, -5.9892, 33.0538

# Details

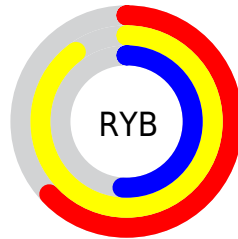
The Yxy color **62.5506, 0.3886, 0.4143** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **33.1761, 0.2357, 0.2251**, and the grayscale version is **60.8734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1989, 0.3556, 0.3998**, and **31.8908, 0.4058, 0.4338** is the 20% darker color. If you saturate the color by 10%, you get **59.4216, 0.4071, 0.4318**, and if you desaturate by 10%, it is **65.9147, 0.3700, 0.3951**.

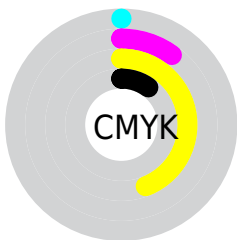
# Distribution



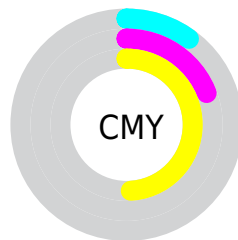
- Red (90%)
- Green (81%)
- Blue (51%)



- Red (63%)
- Yellow (90%)
- Blue (51%)



- Cyan (0%)
- Magenta (10%)
- Yellow (44%)
- Black (10%)




- Cyan (10%)
- Magenta (19%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5506, 0.3886, 0.4143 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 62.5506, 0.3886, 0.4143 by changing the saturation by 10% instead.




 62.5506, 0.3886,  
0.4143


 62.5506, 0.3886,  
0.4143


433.9367, 0.3536,  
0.3746


 45.4777, 0.3963,  
0.4231


 108.5209, 0.3766,  
0.4006

 31.8339, 0.4056,  
0.4338


 138.1871, 0.3719,  
0.3953

 21.2347, 0.4168,  
0.4469


 172.8200, 0.3678,  
0.3906

 13.2956, 0.4304,  
0.4630

212.8038, 0.3642,  
0.3866

 7.6324, 0.4464,  
0.4824

258.5230, 0.3611,  
0.3830

 3.8607, 0.4789,  
0.5211

310.3619, 0.3583,

 1.5959, 0.4760,

0.3799

0.5240

368.7050, 0.3558,  
0.3771

0.3549, 0.4508,  
0.5492

0.0000, 0.0000,  
0.0000

62.5506, 0.3886,  
0.4143

62.5506, 0.3886,  
0.4143

59.4216, 0.4071,  
0.4318

65.9147, 0.3700,  
0.3951

56.5087, 0.4247,  
0.4467


69.5145, 0.3518,  
0.3753


53.8034, 0.4406,  
0.4578


73.3617, 0.3346,  
0.3555

51.2926, 0.4540,  
0.4644

77.4644, 0.3186,  
0.3363


 48.9604, 0.4643,  
0.4662

 81.8302, 0.3039,  
0.3180

 47.6119, 0.4695,  
0.4654

 85.6671, 0.2974,  
0.3126

 88.9142, 0.2975,  
0.3182

 92.2591, 0.2975,  
0.3237

 95.5646, 0.2976,  
0.3290

# Harmonies

## Analogous

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



62.5506, 0.4148, 0.3830



62.5506, 0.3886, 0.4143



62.5506, 0.3431, 0.4237

# Triad

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



62.5506, 0.3886, 0.4143



62.5506, 0.2227, 0.3023



62.5506, 0.3279, 0.2695

# Complementary

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



62.5506, 0.3886, 0.4143



33.1761, 0.2357, 0.2251

# 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.



62.5506, 0.2764, 0.2497



62.5506, 0.3886, 0.4143



62.5506, 0.2194, 0.2646

# Square

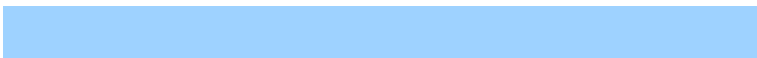
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.5506, 0.3886, 0.4143



62.5506, 0.2481, 0.3538



62.5506, 0.2381, 0.2472



62.5506, 0.3790, 0.3025



# Rectangle

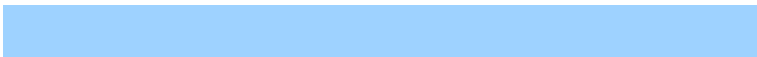
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.5506, 0.3886, 0.4143



62.5506, 0.3085, 0.4124



62.5506, 0.2381, 0.2472



62.5506, 0.3100, 0.2612

# Sweetspot

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



62.5535, 0.3886, 0.4143



93.1201, 0.3332, 0.3538



34.8738, 0.3988, 0.3001



19.6934, 0.3369, 0.3582



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.



62.5535, 0.3886, 0.4143



75.3179, 0.4060, 0.4309



71.1302, 0.3586, 0.4446



16.2059, 0.3273, 0.3468



27.1503, 0.4685, 0.4662



2.1467, 0.4599, 0.4731



# Inverse Universe

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



33.1761, 0.2357, 0.2251



33.6526, 0.2179, 0.1982



28.3174, 0.2496, 0.1990



14.4406, 0.2980, 0.3105



4.9216, 0.1575, 0.0868



0.5050, 0.1650, 0.1141



# Previews

## White Background



This preview shows how the Yxy color 62.5506, 0.3886, 0.4143 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 62.5506, 0.3886, 0.4143 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

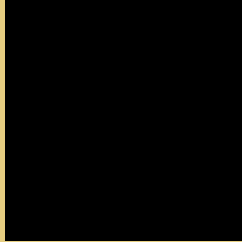
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.5506, 0.3886, 0.4143**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.5506, 0.3886, 0.4143.



This preview shows how white text looks on a background with the Yxy color 62.5506, 0.3886, 0.4143.

# 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

62.5506, 0.3886, 0.4143

### Protanopia

62.4061, 0.3841, 0.4154

### Deuteranopia

62.3509, 0.4079, 0.3991



## Tritanopia

62.3601, 0.3350, 0.3130

# Trichromacy



## Original Color

62.5506, 0.3886, 0.4143

## Protanomaly

62.5682, 0.3849, 0.4151

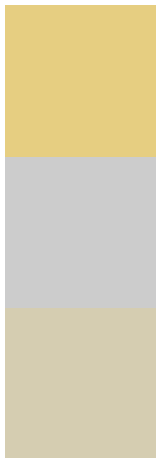
## Deuteranomaly

62.4397, 0.4012, 0.4049

## Tritanomaly

62.3069, 0.3554, 0.3501

# Monochromacy



## Original Color

62.5506, 0.3886, 0.4143

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

60.9831, 0.3394, 0.3618

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.5506, 0.3886, 0.4143 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(230, 206, 129)` looks like.

```
.text, #text, p{  
  color:rgb(230, 206, 129)  
}
```

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(230, 206, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 206, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 62.5506, 0.3886, 0.4143 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(230, 206, 129) }
```

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

```
.border{ border-color:rgb(230, 206, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 206, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 206, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 206, 129);  
box-shadow:4px 4px 4px 4px rgb(230, 206,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.5506, 0.3886, 0.4143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 206, 129) }
```

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

```
.background{ background-color: rgb(230,  
206, 129) }
```

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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