

# Converting Colors

Yxy(61.2233, 0.3965, 0.4311)

Have a look what the booklet for  
Yxy(61.2233, 0.3965, 0.4311)  
contains.

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# Color

**Yxy(61.0236, 0.3966, 0.4308)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2CD71
RGB	226, 205, 113
RGB Percent	89%, 80%, 44%
CMY	0.1137, 0.1961, 0.5567
CMYK	0.00, 0.09, 0.50, 0.11
HSL	49°, 66%, 66%
HSV	49°, 50%, 89%
XYZ	56.1791, 61.0236, 24.4491
YIQ	200.7910, 42.0480, -24.1600

# Conversions

## Conversions Part 2

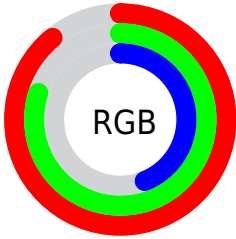
Format	Color
<a href="#">RYB</a>	<a href="#">139, 226, 113</a>
Decimal	<a href="#">14863729</a>
CIELab	<a href="#">82.39, -4.49, 48.08</a>
CIELCh	<a href="#">82, 48.287, 95.333</a>
Yxy	<a href="#">61.0236, 0.3966, 0.4308</a>
Android (android.graphics.Color)	<a href="#">4293053809 (0xFFE2CD71)</a>
YUV	<a href="#">200.7910, -43.2810, 22.1083</a>
Hunter-Lab	<a href="#">78.1176, -8.3356, 36.1258</a>

# Details

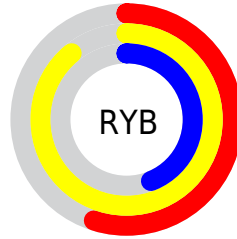
The Yxy color **61.0236, 0.3966, 0.4308** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.0647, 0.2226, 0.1996**, and the grayscale version is **58.5297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **30.8058, 0.4135, 0.4536** is the 20% darker color. If you saturate the color by 10%, you get **58.5954, 0.4131, 0.4477**, and if you desaturate by 10%, it is **63.6382, 0.3792, 0.4116**.

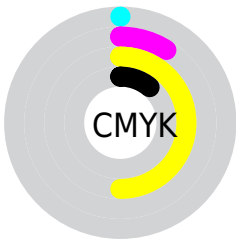
# Distribution



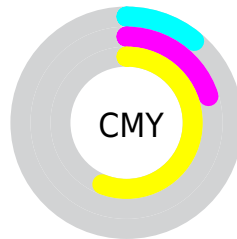
- Red (89%)
- Green (80%)
- Blue (44%)



- Red (55%)
- Yellow (89%)
- Blue (44%)



- Cyan (0%)
- Magenta (9%)
- Yellow (50%)
- Black (11%)




- Cyan (11%)
- Magenta (20%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.0236, 0.3966, 0.4308 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 61.0236, 0.3966, 0.4308 by changing the saturation by 10% instead.





 61.0236, 0.3966,  
0.4308


 61.0236, 0.3966,  
0.4308


428.3605, 0.3584,  
0.3834


 44.2442, 0.4047,  
0.4412

 106.3131, 0.3837,  
0.4146

 30.8625, 0.4142,  
0.4537


 135.5920, 0.3786,  
0.4082

 20.4942, 0.4254,  
0.4686

 169.8062, 0.3741,  
0.4027

 12.7548, 0.4380,  
0.4864

209.3401, 0.3702,  
0.3978

 7.2599, 0.4531,  
0.5088

254.5781, 0.3667,  
0.3936

 3.6252, 0.4667,  
0.5333

305.9046, 0.3637,

 1.4662, 0.4594,

0.3898

0.5406

363.7039, 0.3609,  
0.3864

0.2647, 0.3492,  
0.6508

0.0000, 0.0000,  
0.0000

61.0236, 0.3966,  
0.4308

61.0236, 0.3966,  
0.4308

58.5954, 0.4131,  
0.4477

63.6382, 0.3792,  
0.4116

56.3352, 0.4279,  
0.4611

66.4397, 0.3616,  
0.3910

54.2343, 0.4404,  
0.4703

69.4393, 0.3444,  
0.3699

52.2793, 0.4500,  
0.4749

72.6445, 0.3280,  
0.3491

 50.4472, 0.4570,  
0.4753

 76.0625, 0.3127,  
0.3290

 50.4450, 0.4570,  
0.4753

 79.7002, 0.2985,  
0.3100

 82.4734, 0.2948,  
0.3080

 84.9003, 0.2949,  
0.3123

 87.3844, 0.2950,  
0.3166

# Harmonies

## Analogous

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



61.0236, 0.4308, 0.3943



61.0236, 0.3966, 0.4308



61.0236, 0.3417, 0.4410

# Triad

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



61.0236, 0.3966, 0.4308



61.0236, 0.2069, 0.2916



61.0236, 0.3359, 0.2630

# Complementary

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



61.0236, 0.3966, 0.4308



26.0647, 0.2226, 0.1996

# 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.



61.0236, 0.2748, 0.2388



61.0236, 0.3966, 0.4308



61.0236, 0.2057, 0.2505

# Square

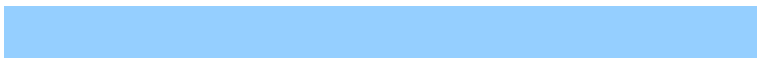
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.0236, 0.3966, 0.4308



61.0236, 0.2333, 0.3521



61.0236, 0.2291, 0.2335



61.0236, 0.3955, 0.3015



# Rectangle

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



61.0236, 0.3966, 0.4308



61.0236, 0.3013, 0.4258



61.0236, 0.2291, 0.2335



61.0236, 0.3147, 0.2531

# Sweetspot

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



61.0265, 0.3966, 0.4308



93.3228, 0.3363, 0.3597



29.7543, 0.4248, 0.3032



19.7850, 0.3398, 0.3641



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.



61.0265, 0.3966, 0.4308



76.9130, 0.4137, 0.4483



66.8113, 0.3594, 0.4622



15.5735, 0.3272, 0.3479



28.9400, 0.4563, 0.4759



2.1196, 0.4496, 0.4812



# Inverse Universe

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



26.0647, 0.2226, 0.1996



26.1294, 0.2028, 0.1678



23.5048, 0.2435, 0.1808



13.6535, 0.2981, 0.3093



4.2045, 0.1550, 0.0779



0.4127, 0.1624, 0.1046



# Previews

## White Background



This preview shows how the Yxy color 61.0236, 0.3966, 0.4308 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 61.0236, 0.3966, 0.4308 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 61.0236, 0.3966, 0.4308**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.0236, 0.3966, 0.4308.



This preview shows how white text looks on a background with the Yxy color 61.0236, 0.3966, 0.4308.

# 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

61.0236, 0.3966, 0.4308

### Protanopia

60.8624, 0.3958, 0.4312

### Deuteranopia

61.0417, 0.4206, 0.4124



## Tritanopia

60.8492, 0.3344, 0.3128

# Trichromacy



## Original Color

61.0236, 0.3966, 0.4308

## Protanomaly

60.8624, 0.3958, 0.4312

## Deuteranomaly

60.7625, 0.4120, 0.4191

## Tritanomaly

60.6000, 0.3590, 0.3560

# Monochromacy



## Original Color

61.0236, 0.3966, 0.4308

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

58.8073, 0.3436, 0.3683

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.0236, 0.3966, 0.4308 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(226, 205, 113)` looks like.

```
.text, #text, p{  
    color:rgb(226, 205, 113)  
}
```

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(226, 205, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 205, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 61.0236, 0.3966, 0.4308 is called "border". The border property can be set on classes, ids or directly on the HTML element.

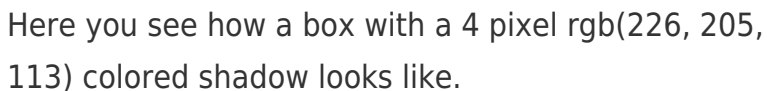
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 205, 113) }
```

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

```
.border{ border-color:rgb(226, 205, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(226, 205, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 205, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 205, 113); box-shadow:4px 4px 4px 4px rgb(226, 205, 113) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.0236, 0.3966, 0.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 205, 113) }
```

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

```
.background{ background-color: rgb(226,  
205, 113) }
```

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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