

# Converting Colors

Yxy(62.2023, 0.4004, 0.4368)

Have a look what the booklet for  
Yxy(62.2023, 0.4004, 0.4368)  
contains.

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# Color

**Yxy(62.2023, 0.4004, 0.4368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4CF6C
RGB	228, 207, 108
RGB Percent	89%, 81%, 42%
CMY	0.1058, 0.1882, 0.5765
CMYK	0.00, 0.09, 0.53, 0.11
HSL	49°, 69%, 66%
HSV	49°, 53%, 89%
XYZ	57.0188, 62.2023, 23.1835
YIQ	201.9930, 44.2950, -26.3370

# Conversions

## Conversions Part 2

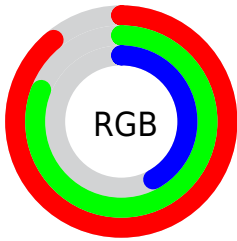
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 228, 108
Decimal	14995308
CIELab	83.02, -5.12, 51.30
CIELCh	83, 51.554, 95.701
Yxy	62.2023, 0.4004, 0.4368
Android (android.graphics.Color)	4293185388 (0xFFE4CF6C)
YUV	201.9930, -46.3385, 22.8081
Hunter-Lab	78.8684, -8.9713, 37.7795

# Details

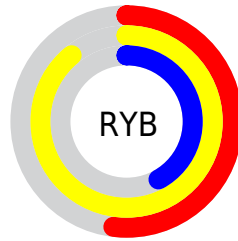
The Yxy color **62.2023, 0.4004, 0.4368** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.4921, 0.2170, 0.1896**, and the grayscale version is **59.3341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3886, 0.3678, 0.4200**, and **31.6140, 0.4179, 0.4607** is the 20% darker color. If you saturate the color by 10%, you get **59.8710, 0.4162, 0.4530**, and if you desaturate by 10%, it is **64.7153, 0.3834, 0.4179**.

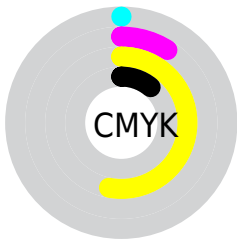
# Distribution



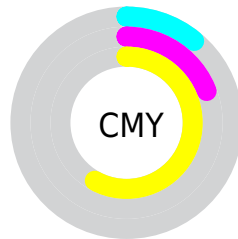
- Red (89%)
- Green (81%)
- Blue (42%)



- Red (52%)
- Yellow (89%)
- Blue (42%)



- Cyan (0%)
- Magenta (9%)
- Yellow (53%)
- Black (11%)



- Cyan (11%)
- Magenta (19%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2023, 0.4004, 0.4368 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 62.2023, 0.4004, 0.4368 by changing the saturation by 10% instead.



62.2023, 0.4004,  
0.4368

62.2023, 0.4004,  
0.4368

432.6686, 0.3609,  
0.3870

45.1962, 0.4086,  
0.4476

108.0179, 0.3872,  
0.4199

31.6120, 0.4181,  
0.4604

137.5961, 0.3819,  
0.4132

21.0653, 0.4291,  
0.4756

172.1338, 0.3773,  
0.4073

13.1717, 0.4412,  
0.4933

212.0154, 0.3732,  
0.4022

7.5469, 0.4563,  
0.5167

257.6253, 0.3696,  
0.3977

3.8064, 0.4642,  
0.5358

309.3479, 0.3664,

1.5659, 0.4561,

0.3938

0.5439

367.5675, 0.3635,  
0.3902

0.3344, 0.3657,  
0.6343

0.0000, 0.0000,  
0.0000

62.2023, 0.4004,  
0.4368

62.2023, 0.4004,  
0.4368

59.8710, 0.4162,  
0.4530

64.7153, 0.3834,  
0.4179

57.7022, 0.4301,  
0.4655

67.4106, 0.3661,  
0.3974

55.6868, 0.4414,  
0.4737

70.2998, 0.3488,  
0.3761

53.8103, 0.4499,  
0.4771

73.3906, 0.3323,  
0.3549

■ 52.5016, 0.4546,  
0.4773

■ 76.6906, 0.3167,  
0.3343

■ 80.2066, 0.3022,  
0.3147

■ 83.1068, 0.2961,  
0.3086

■ 85.4186, 0.2962,  
0.3127

■ 87.7820, 0.2962,  
0.3168

# Harmonies

## Analogous

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



62.2023, 0.4373, 0.3978



62.2023, 0.4004, 0.4368



62.2023, 0.3421, 0.4481

# Triad

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



62.2023, 0.4004, 0.4368



62.2023, 0.2010, 0.2883



62.2023, 0.3379, 0.2599

# Complementary

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



62.2023, 0.4004, 0.4368



24.4921, 0.2170, 0.1896

# 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.



62.2023, 0.2732, 0.2343



62.2023, 0.4004, 0.4368



62.2023, 0.2002, 0.2455

# Square

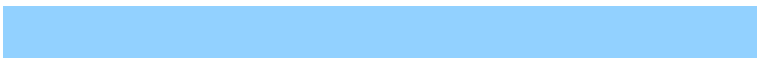
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.2023, 0.4004, 0.4368



62.2023, 0.2282, 0.3525



62.2023, 0.2249, 0.2283



62.2023, 0.4012, 0.3003



# Rectangle

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



62.2023, 0.4004, 0.4368



62.2023, 0.2994, 0.4319



62.2023, 0.2249, 0.2283



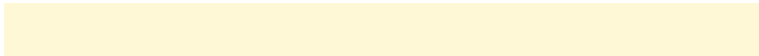
62.2023, 0.3154, 0.2494

# Sweetspot

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



62.2052, 0.4004, 0.4368



93.1708, 0.3379, 0.3622



28.8309, 0.4370, 0.3044



19.7652, 0.3413, 0.3666



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.



62.2052, 0.4004, 0.4368



76.9393, 0.4173, 0.4541



67.5292, 0.3597, 0.4699



16.3651, 0.3272, 0.3482



30.4663, 0.4539, 0.4778



2.3646, 0.4480, 0.4825



# Inverse Universe

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



24.4921, 0.2170, 0.1896



23.6565, 0.1968, 0.1567



22.4353, 0.2406, 0.1729



14.2931, 0.2980, 0.3090



4.2281, 0.1545, 0.0761



0.4329, 0.1613, 0.1005



# Previews

## White Background



This preview shows how the Yxy color 62.2023, 0.4004, 0.4368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

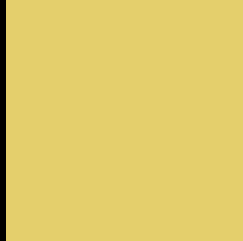
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.2023, 0.4004, 0.4368 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 62.2023, 0.4004, 0.4368**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2023, 0.4004, 0.4368.



This preview shows how white text looks on a background with the Yxy color 62.2023, 0.4004, 0.4368.

# 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

62.2023, 0.4004, 0.4368

### Protanopia

62.2023, 0.4004, 0.4368

### Deuteranopia

61.9409, 0.4259, 0.4168



## Tritanopia

61.9105, 0.3352, 0.3119

# Trichromacy



## Original Color

62.2023, 0.4004, 0.4368

## Protanomaly

62.2023, 0.4004, 0.4368

## Deuteranomaly

62.1105, 0.4166, 0.4245

## Tritanomaly

61.3953, 0.3604, 0.3569

# Monochromacy



## Original Color

62.2023, 0.4004, 0.4368

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.8618, 0.3447, 0.3717

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.2023, 0.4004, 0.4368 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(228, 207, 108)` looks like.

```
.text, #text, p{  
    color:rgb(228, 207, 108)  
}
```

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(228, 207, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 207, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2023, 0.4004, 0.4368 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(228, 207, 108) }
```

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

```
.border{ border-color:rgb(228, 207, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 207, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 207, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 207, 108);  
box-shadow:4px 4px 4px 4px rgb(228, 207,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2023, 0.4004, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 207, 108) }
```

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

```
.background{ background-color: rgb(228,  
207, 108) }
```

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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