

# Converting Colors

Yxy(62.4417, 0.4066, 0.4699)

Have a look what the booklet for  
Yxy(62.4417, 0.4066, 0.4699)  
contains.

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# Color

**Yxy(62.1987, 0.4068, 0.4696)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBD34E
RGB	219, 211, 78
RGB Percent	86%, 83%, 31%
CMY	0.1412, 0.1725, 0.6942
CMYK	0.00, 0.04, 0.64, 0.14
HSL	57°, 66%, 58%
HSV	57°, 64%, 86%
XYZ	53.8808, 62.1987, 16.3709
YIQ	198.2300, 47.4610, -39.6670

# Conversions

## Conversions Part 2

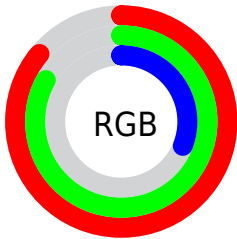
Format	Color
R <sub>Y</sub> B	86, 219, 78
Decimal	14406478
CIE Lab	83.02, -13.00, 64.37
CIE LCh	83, 65.672, 101.413
Yxy	62.1987, 0.4068, 0.4696
Android (android.graphics.Color)	4292596558 (0xFFDDBD34E)
YUV	198.2300, -59.2734, 18.2153
Hunter-Lab	78.8662, -16.0658, 42.8990

# Details

The Yxy color **62.1987, 0.4068, 0.4696** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **13.3848, 0.1902, 0.1322**, and the grayscale version is **56.9657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **31.7176, 0.4218, 0.4987** is the 20% darker color. If you saturate the color by 10%, you get **61.3243, 0.4165, 0.4827**, and if you desaturate by 10%, it is **63.1882, 0.3947, 0.4526**.

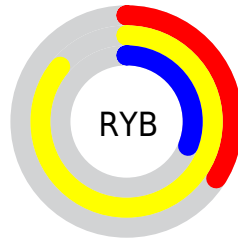
# Distribution



Red (86%)

Green (83%)

Blue (31%)



Red (34%)

Yellow (86%)

Blue (31%)

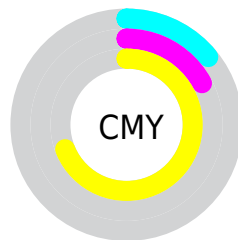


Cyan (0%)

Magenta (4%)

Yellow (64%)

Black (14%)



Cyan (14%)

Magenta (17%)


Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1987, 0.4068, 0.4696 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 62.1987, 0.4068, 0.4696 by changing the saturation by 10% instead.



 62.1987, 0.4068,  
0.4696

 62.1987, 0.4068,  
0.4696


432.6555, 0.3669,  
0.4051


 45.1933, 0.4140,  
0.4830


 108.0127, 0.3943,  
0.4480

 31.6097, 0.4217,  
0.4986


 137.5900, 0.3890,  
0.4393


 21.0635, 0.4292,  
0.5164


 172.1267, 0.3843,  
0.4318

 13.1705, 0.4357,  
0.5364

 212.0073, 0.3800,  
0.4251

 7.5460, 0.4400,  
0.5600

 257.6160, 0.3762,  
0.4192

 3.8059, 0.4275,  
0.5725

309.3374, 0.3728,

 1.5656, 0.4062,

0.4140

0.5938

367.5558, 0.3697,  
0.4093

0.3342, 0.0013,  
0.9987

0.0000, 0.0000,  
0.0000

62.1987, 0.4068,  
0.4696

62.1987, 0.4068,  
0.4696

61.3243, 0.4165,  
0.4827

63.1882, 0.3947,  
0.4526

60.5455, 0.4236,  
0.4915

64.2934, 0.3808,  
0.4324

59.8519, 0.4280,  
0.4959


65.5256, 0.3658,  
0.4100

59.4875, 0.4297,  
0.4970


66.8924, 0.3501,  
0.3865

 68.4007, 0.3345,  
0.3626

 70.0570, 0.3192,  
0.3390

 71.8673, 0.3047,  
0.3165

 73.8373, 0.2911,  
0.2952

 74.6107, 0.2900,  
0.2947

# Harmonies

## Analogous

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



62.1987, 0.4617, 0.4208



62.1987, 0.4068, 0.4696



62.1987, 0.3310, 0.4805

# Triad

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



62.1987, 0.4068, 0.4696



62.1987, 0.1728, 0.2626



62.1987, 0.3601, 0.2519

# Complementary

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



62.1987, 0.4068, 0.4696



13.3848, 0.1902, 0.1322

# 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.



62.1987, 0.2763, 0.2174



62.1987, 0.4068, 0.4696



62.1987, 0.1783, 0.2181

# Square

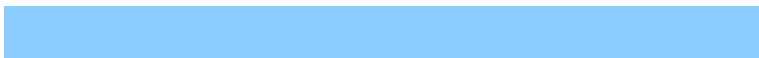
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.1987, 0.4068, 0.4696



62.1987, 0.1980, 0.3403



62.1987, 0.2130, 0.2048



62.1987, 0.4380, 0.3024



# Rectangle

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



62.1987, 0.4068, 0.4696



62.1987, 0.2787, 0.4532



62.1987, 0.2130, 0.2048



62.1987, 0.3312, 0.2382

# Sweetspot

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



62.2016, 0.4068, 0.4696



95.5252, 0.3419, 0.3740



21.2008, 0.5079, 0.3198



20.3164, 0.3464, 0.3809



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.



62.2016, 0.4068, 0.4696



86.2030, 0.4191, 0.4861



58.4669, 0.3528, 0.5058



15.1309, 0.3268, 0.3508



35.3315, 0.4295, 0.4972



2.3283, 0.4277, 0.4986



# Inverse Universe

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



13.3848, 0.1902, 0.1322



12.4904, 0.1688, 0.0958



16.0583, 0.2359, 0.1447



12.7349, 0.2981, 0.3062



3.2458, 0.1511, 0.0638



0.2529, 0.1542, 0.0751



# Previews

## White Background



This preview shows how the Yxy color 62.1987, 0.4068, 0.4696 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 62.1987, 0.4068, 0.4696 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 62.1987, 0.4068, 0.4696**

## Background



This preview shows how black text looks on a background with the Yxy color 62.1987, 0.4068, 0.4696.



This preview shows how white text looks on a background with the Yxy color 62.1987, 0.4068, 0.4696.

# 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

62.1987, 0.4068, 0.4696

### Protanopia

62.1504, 0.4200, 0.4611

### Deuteranopia

61.9828, 0.4383, 0.4300



## Tritanopia

62.1812, 0.3277, 0.3127

# Trichromacy



## Original Color

62.1987, 0.4068, 0.4696

## Protanomaly

61.9785, 0.4159, 0.4639

## Deuteranomaly

61.8229, 0.4270, 0.4436

## Tritanomaly

61.7231, 0.3613, 0.3733

# Monochromacy



## Original Color

62.1987, 0.4068, 0.4696

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

58.1668, 0.3513, 0.3882

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.1987, 0.4068, 0.4696 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(219, 211, 78)` looks like.

```
.text, #text, p{  
    color:rgb(219, 211, 78)  
}
```

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(219, 211, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 211, 78) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1987, 0.4068, 0.4696 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(219, 211, 78) }
```

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

```
.border{ border-color:rgb(219, 211, 78) }
```

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

Here you see how a box with a 4 pixel rgb(219, 211, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 211, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 211, 78);  
box-shadow:4px 4px 4px 4px rgb(219, 211,  
78) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1987, 0.4068, 0.4696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 211, 78) }
```

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

```
.background{ background-color: rgb(219,  
211, 78) }
```

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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