

# Converting Colors

Yxy(58.8121, 0.4100, 0.4616)

Have a look what the booklet for  
Yxy(58.8121, 0.4100, 0.4616)  
contains.

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# Color

**Yxy(58.8399, 0.4101, 0.4614)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBCC51
RGB	219, 204, 81
RGB Percent	86%, 80%, 32%
CMY	0.1411, 0.2000, 0.6823
CMYK	0.00, 0.07, 0.63, 0.14
HSL	53°, 66%, 59%
HSV	53°, 63%, 86%
XYZ	52.2979, 58.8399, 16.3869
YIQ	194.4630, 48.4230, -35.0730

# Conversions

## Conversions Part 2

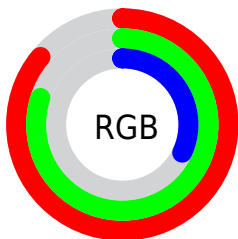
Format	Color
R <sub>Y</sub> B	98, 219, 81
Decimal	14404689
CIE Lab	81.20, -9.26, 61.21
CIE LCh	81, 61.905, 98.605
Yxy	58.8399, 0.4101, 0.4614
Android (android.graphics.Color)	4292594769 (0xFFDBCC51)
YUV	194.4630, -55.9373, 21.5189
Hunter-Lab	76.7072, -12.5387, 41.0289

# Details

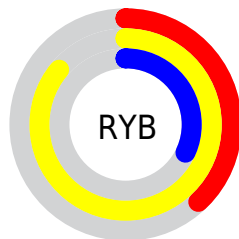
The Yxy color **58.8399, 0.4101, 0.4614** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **15.2391, 0.1949, 0.1458**, and the grayscale version is **54.5583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5293, 0.3824, 0.4443**, and **29.4439, 0.4274, 0.4889** is the 20% darker color. If you saturate the color by 10%, you get **57.4401, 0.4217, 0.4746**, and if you desaturate by 10%, it is **60.3686, 0.3963, 0.4445**.

# Distribution



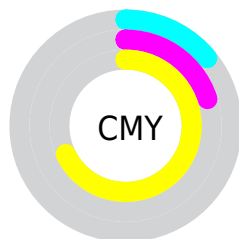
- Red (86%)
- Green (80%)
- Blue (32%)



- Red (38%)
- Yellow (86%)
- Blue (32%)



- Cyan (0%)
- Magenta (7%)
- Yellow (63%)
- Black (14%)




- Cyan (14%)
- Magenta (20%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8399, 0.4101, 0.4614 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 58.8399, 0.4101, 0.4614 by changing the saturation by 10% instead.




 58.8399, 0.4101,  
0.4614


 58.8399, 0.4101,  
0.4614


420.3084, 0.3676,  
0.4004


 42.4843, 0.4182,  
0.4742


 103.1449, 0.3964,  
0.4409


 29.4807, 0.4271,  
0.4890


 131.8631, 0.3908,  
0.4327


 19.4447, 0.4362,  
0.5059


 165.4709, 0.3858,  
0.4255

 11.9921, 0.4449,  
0.5250

 204.3528, 0.3813,  
0.4192

 6.7383, 0.4525,  
0.5475

 248.8931, 0.3773,  
0.4137

 3.2990, 0.4429,  
0.5571

299.4761, 0.3737,

 1.2897, 0.4261,

0.4088

0.5739

356.4864, 0.3705,  
0.4044

■ 0.1332, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.8399, 0.4101,  
0.4614

■ 58.8399, 0.4101,  
0.4614

■ 57.4401, 0.4217,  
0.4746

■ 60.3686, 0.3963,  
0.4445

■ 56.1501, 0.4308,  
0.4834

■ 62.0270, 0.3810,  
0.4247

■ 54.9599, 0.4370,  
0.4878

■ 63.8264, 0.3649,  
0.4030

■ 54.1726, 0.4401,  
0.4888

■ 65.7742, 0.3486,  
0.3804

67.8773, 0.3325,  
0.3577

70.1422, 0.3172,  
0.3355

72.5750, 0.3027,  
0.3143

75.1018, 0.2901,  
0.2957

76.3860, 0.2902,  
0.2982

# Harmonies

## Analogous

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



58.8399, 0.4597, 0.4132



58.8399, 0.4101, 0.4614



58.8399, 0.3381, 0.4755

# Triad

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



58.8399, 0.4101, 0.4614



58.8399, 0.1784, 0.2713



58.8399, 0.3507, 0.2506

# Complementary

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



58.8399, 0.4101, 0.4614



15.2391, 0.1949, 0.1458

# 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.



58.8399, 0.2711, 0.2189



58.8399, 0.4101, 0.4614



58.8399, 0.1810, 0.2248

# Square

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



58.8399, 0.4101, 0.4614



58.8399, 0.2061, 0.3483



58.8399, 0.2121, 0.2090



58.8399, 0.4273, 0.2986



# Rectangle

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



58.8399, 0.4101, 0.4614



58.8399, 0.2873, 0.4529



58.8399, 0.2121, 0.2090



58.8399, 0.3229, 0.2379

# Sweetspot

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



58.8427, 0.4101, 0.4614



93.9426, 0.3423, 0.3716



21.8160, 0.4912, 0.3122



19.9279, 0.3470, 0.3782



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.



58.8427, 0.4101, 0.4614



80.3847, 0.4253, 0.4783



59.3915, 0.3579, 0.4992



15.0090, 0.3269, 0.3496



32.2119, 0.4397, 0.4891



2.1576, 0.4360, 0.4920



# Inverse Universe

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



15.2391, 0.1949, 0.1458



14.2992, 0.1725, 0.1071



16.0640, 0.2314, 0.1455



12.8443, 0.2981, 0.3075



3.4945, 0.1523, 0.0681

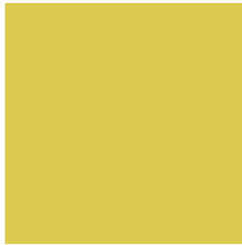


0.3050, 0.1579, 0.0883



# Previews

## White Background



This preview shows how the Yxy color 58.8399, 0.4101, 0.4614 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

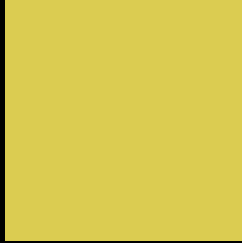
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.8399, 0.4101, 0.4614 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 58.8399, 0.4101, 0.4614**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.8399, 0.4101, 0.4614.



This preview shows how white text looks on a background with the Yxy color 58.8399, 0.4101, 0.4614.

# 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

58.8399, 0.4101, 0.4614

### Protanopia

58.8278, 0.4171, 0.4576

### Deuteranopia

58.6791, 0.4426, 0.4335



## Tritanopia

58.5408, 0.3331, 0.3125

# Trichromacy



## Original Color

58.8399, 0.4101, 0.4614

## Protanomaly

58.9790, 0.4147, 0.4594

## Deuteranomaly

58.4707, 0.4311, 0.4427

## Tritanomaly

58.2218, 0.3649, 0.3692

# Monochromacy



## Original Color

58.8399, 0.4101, 0.4614

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

55.3846, 0.3509, 0.3843

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.8399, 0.4101, 0.4614 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, 204, 81)` looks like.

```
.text, #text, p{  
    color:rgb(219, 204, 81)  
}
```

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, 204, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 204, 81) }
```

## Border

The CSS property to change the border of an element to Yxy 58.8399, 0.4101, 0.4614 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, 204, 81) }
```

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

```
.border{ border-color:rgb(219, 204, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 204, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 204, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 204, 81);  
box-shadow:4px 4px 4px 4px rgb(219, 204,  
81) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.8399, 0.4101, 0.4614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 204, 81) }
```

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

```
.background{ background-color: rgb(219,  
204, 81) }
```

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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