

Converting Colors

$Yxy(64.7964, 0.3698, 0.4392)$

Have a look what the booklet for
Yxy(64.7964, 0.3698, 0.4392)
contains.

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Color

Yxy(64.9578, 0.3698, 0.4400)

Conversions

Conversions Part 1

Format	Color
Hex	D0DA7A
RGB	208, 218, 122
RGB Percent	82%, 85%, 48%
CMY	0.1844, 0.1451, 0.5215
CMYK	0.05, 0.00, 0.44, 0.15
HSL	66°, 56%, 67%
HSV	66°, 44%, 85%
XYZ	54.5941, 64.9578, 28.0795
YIQ	204.0660, 24.8560, -31.9760

Conversions

Conversions Part 2

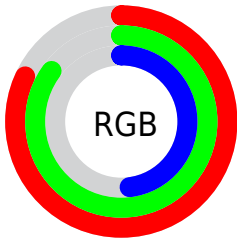
Format	Color
RYB	122, 218, 132
Decimal	13687418
CIELab	84.46, -17.40, 45.91
CIElCh	84, 49.093, 110.755
Yxy	64.9578, 0.3698, 0.4400
Android (android.graphics.Color)	4291877498 (0xFFD0DA7A)
YUV	204.0660, -40.4585, 3.4501
Hunter-Lab	80.5964, -20.1321, 35.7611

Details

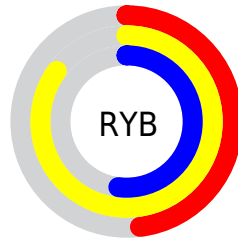
The Yxy color **64.9578, 0.3698, 0.4400** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.8965, 0.2380, 0.1952**, and the grayscale version is **60.6775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9146, 0.3597, 0.4066**, and **33.3120, 0.3810, 0.4675** is the 20% darker color. If you saturate the color by 10%, you get **64.1517, 0.3806, 0.4628**, and if you desaturate by 10%, it is **65.8957, 0.3576, 0.4153**.

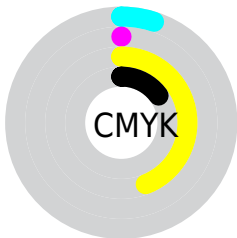
Distribution



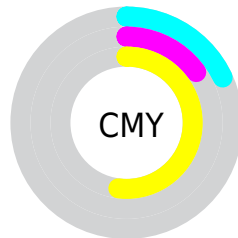
- Red (82%)
- Green (85%)
- Blue (48%)



- Red (48%)
- Yellow (85%)
- Blue (52%)



- Cyan (5%)
- Magenta (0%)
- Yellow (44%)
- Black (15%)





- Cyan (18%)
- Magenta (15%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9578, 0.3698, 0.4400 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 64.9578, 0.3698, 0.4400 by changing the saturation by 10% instead.


 64.9578, 0.3698,
0.4400

 64.9578, 0.3698,
0.4400


442.6403, 0.3449,
0.3869

 47.4269, 0.3748,
0.4522


 111.9892, 0.3616,
0.4215

 33.3732, 0.3805,
0.4672


 142.2584, 0.3583,
0.4143

 22.4125, 0.3868,
0.4858

 177.5425, 0.3554,
0.4081

 14.1603, 0.3935,
0.5093

218.2260, 0.3528,
0.4027

 8.2323, 0.3990,
0.5391

264.6930, 0.3505,
0.3980

 4.2439, 0.4095,
0.5905

317.3282, 0.3484,

 1.8109, 0.3829,

0.3939

0.6171

376.5158, 0.3466,
0.3902

0.4940, 0.0832,
0.9168

0.0000, 0.0000,
0.0000

64.9578, 0.3698,
0.4400

64.9578, 0.3698,
0.4400

64.1517, 0.3806,
0.4628

65.8957, 0.3576,
0.4153

63.4605, 0.3894,
0.4826

66.9641, 0.3446,
0.3896

62.8777, 0.3959,
0.4985


68.1728, 0.3312,
0.3638


62.3928, 0.3997,
0.5100

69.5281, 0.3179,
0.3388


 61.9927, 0.4010,
0.5172


 71.0361, 0.3051,
0.3149

 61.7813, 0.4009,
0.5199

 72.7023, 0.2930,
0.2926

 73.2027, 0.2931,
0.2906

 73.5689, 0.2947,
0.2908

 73.9399, 0.2962,
0.2910

Harmonies

Analogous

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



64.9578, 0.4163, 0.4149



64.9578, 0.3698, 0.4400



64.9578, 0.3105, 0.4304

Triad

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



64.9578, 0.3698, 0.4400



64.9578, 0.2036, 0.2677



64.9578, 0.3679, 0.2816

Complementary

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



64.9578, 0.3698, 0.4400



23.8965, 0.2380, 0.1952

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.



64.9578, 0.3052, 0.2494



64.9578, 0.3698, 0.4400



64.9578, 0.2151, 0.2391

Square

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



64.9578, 0.3698, 0.4400



64.9578, 0.2170, 0.3195



64.9578, 0.2503, 0.2340



64.9578, 0.4177, 0.3248

Rectangle

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



64.9578, 0.3698, 0.4400



64.9578, 0.2720, 0.4019



64.9578, 0.2503, 0.2340



64.9578, 0.3473, 0.2693

Sweetspot

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



64.9607, 0.3698, 0.4400



97.3950, 0.3300, 0.3615



32.7125, 0.4235, 0.3410



20.7597, 0.3330, 0.3672



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.



64.9607, 0.3698, 0.4400



91.5526, 0.3800, 0.4616



59.0700, 0.3326, 0.4551



15.1912, 0.3251, 0.3522



37.0378, 0.4012, 0.5197



2.4198, 0.4043, 0.5172

Inverse Universe

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



23.8965, 0.2380, 0.1952



25.6825, 0.2188, 0.1625



28.6441, 0.2803, 0.2093



12.6819, 0.2997, 0.3049



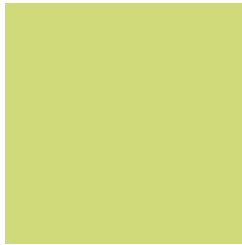
3.1623, 0.1538, 0.0621



0.2274, 0.1637, 0.0675

Previews

White Background



This preview shows how the Yxy color 64.9578, 0.3698, 0.4400 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 64.9578, 0.3698, 0.4400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

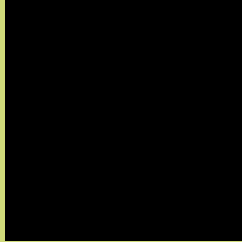
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9578, 0.3698, 0.4400

Background



This preview shows how black text looks on a background with the Yxy color 64.9578, 0.3698, 0.4400.



This preview shows how white text looks on a background with the Yxy color 64.9578, 0.3698, 0.4400.

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

64.9578, 0.3698, 0.4400

Protanopia

64.9094, 0.3937, 0.4289

Deuteranopia

64.5656, 0.4133, 0.4046



Tritanopia

64.6860, 0.3113, 0.3103

Trichromacy



Original Color

64.9578, 0.3698, 0.4400

Protanomaly

65.1372, 0.3850, 0.4334

Deuteranomaly

64.2835, 0.3975, 0.4171

Tritanomaly

64.2373, 0.3343, 0.3566

Monochromacy



Original Color

64.9578, 0.3698, 0.4400

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.6361, 0.3345, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9578, 0.3698, 0.4400 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(208, 218, 122)` looks like.

```
.text, #text, p{  
    color:rgb(208, 218, 122)  
}
```

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(208, 218, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 218, 122) }
```

Border

The CSS property to change the border of an element to Yxy 64.9578, 0.3698, 0.4400 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(208, 218, 122) }
```

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

```
.border{ border-color:rgb(208, 218, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 218, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 218, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 218, 122);  
box-shadow:4px 4px 4px 4px rgb(208, 218,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9578, 0.3698, 0.4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 218, 122) }
```

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

```
.background{ background-color: rgb(208,  
218, 122) }
```

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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