

Converting Colors

Yxy(64.8126, 0.3684, 0.4362)

Have a look what the booklet for
Yxy(64.8126, 0.3684, 0.4362)
contains.

Yxy(64.5163, 0.3684, 0.4358)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.5163, 0.3684, 0.4358)

Conversions

Conversions Part 1

Format	Color
Hex	D0D97D
RGB	208, 217, 125
RGB Percent	82%, 85%, 49%
CMY	0.1841, 0.1491, 0.5097
CMYK	0.04, 0.00, 0.42, 0.15
HSL	66°, 55%, 67%
HSV	66°, 42%, 85%
XYZ	54.5383, 64.5163, 28.9864
YIQ	203.8210, 24.1680, -30.5200

Conversions

Conversions Part 2

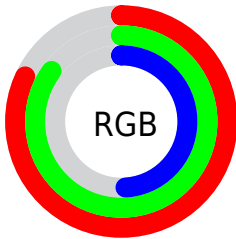
Format	Color
RYB	125, 217, 134
Decimal	13687165
CIELab	84.23, -16.56, 44.16
CIELCh	84, 47.159, 110.552
Yxy	64.5163, 0.3684, 0.4358
Android (android.graphics.Color)	4291877245 (0xFFD0D97D)
YUV	203.8210, -38.8588, 3.6650
Hunter-Lab	80.3220, -19.3628, 34.8290

Details

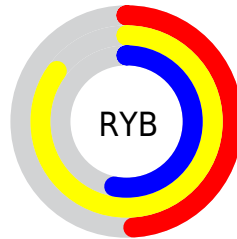
The Yxy color **64.5163, 0.3684, 0.4358** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.7468, 0.2408, 0.2007**, and the grayscale version is **60.5103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0347, 0.3579, 0.4037**, and **33.0105, 0.3789, 0.4614** is the 20% darker color. If you saturate the color by 10%, you get **63.7199, 0.3796, 0.4588**, and if you desaturate by 10%, it is **65.4437, 0.3559, 0.4109**.

Distribution



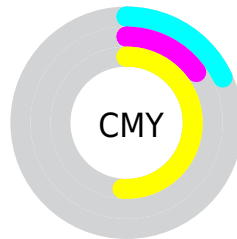
- Red (82%)
- Green (85%)
- Blue (49%)



- Red (49%)
- Yellow (85%)
- Blue (53%)



- Cyan (4%)
- Magenta (0%)
- Yellow (42%)
- Black (15%)





- Cyan (18%)
- Magenta (15%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5163, 0.3684, 0.4358 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 64.5163, 0.3684, 0.4358 by changing the saturation by 10% instead.

 64.5163, 0.3684,
0.4358


 64.5163, 0.3684,
0.4358


441.0517, 0.3439,
0.3847

 47.0690, 0.3734,
0.4476

 111.3542, 0.3603,
0.4179

 33.0902, 0.3791,
0.4621


 141.5135, 0.3571,
0.4110

 22.1955, 0.3856,
0.4803


 176.6789, 0.3542,
0.4050

 14.0007, 0.3926,
0.5033

217.2349, 0.3516,
0.3999

 8.1211, 0.3989,
0.5328

263.5657, 0.3494,
0.3953

 4.1725, 0.4129,
0.5871

316.0559, 0.3474,

 1.7705, 0.3874,

0.3914

0.6126

375.0898, 0.3455,
0.3878

0.4687, 0.0811,
0.9189

0.0000, 0.0000,
0.0000

64.5163, 0.3684,
0.4358

64.5163, 0.3684,
0.4358

63.7199, 0.3796,
0.4588

65.4437, 0.3559,
0.4109

63.0379, 0.3889,
0.4790


66.5007, 0.3426,
0.3853

62.4641, 0.3959,
0.4955


67.6969, 0.3292,
0.3596


61.9883, 0.4003,
0.5076


69.0384, 0.3158,
0.3348

 61.5982, 0.4021,
0.5153

 70.5312, 0.3030,
0.3111

 61.3428, 0.4022,
0.5189

 72.1670, 0.2910,
0.2893

 72.4996, 0.2924,
0.2894

 72.8364, 0.2938,
0.2896

 73.1774, 0.2952,
0.2898

Harmonies

Analogous

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



64.5163, 0.4130, 0.4119



64.5163, 0.3684, 0.4358



64.5163, 0.3112, 0.4265

Triad

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



64.5163, 0.3684, 0.4358



64.5163, 0.2071, 0.2704



64.5163, 0.3656, 0.2830

Complementary

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



64.5163, 0.3684, 0.4358



24.7468, 0.2408, 0.2007

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.



64.5163, 0.3051, 0.2518



64.5163, 0.3684, 0.4358



64.5163, 0.2182, 0.2423

Square

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



64.5163, 0.3684, 0.4358



64.5163, 0.2204, 0.3205



64.5163, 0.2522, 0.2370



64.5163, 0.4135, 0.3249

Rectangle

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



64.5163, 0.3684, 0.4358



64.5163, 0.2740, 0.3993



64.5163, 0.2522, 0.2370



64.5163, 0.3457, 0.2711

Sweetspot

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



64.5192, 0.3684, 0.4358



97.4398, 0.3301, 0.3615



32.9203, 0.4183, 0.3387



20.7708, 0.3331, 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.



64.5192, 0.3684, 0.4358



91.9400, 0.3786, 0.4568



58.9247, 0.3333, 0.4495



15.1962, 0.3252, 0.3522



37.1630, 0.4024, 0.5187



2.4267, 0.4054, 0.5163

Inverse Universe

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



24.7468, 0.2408, 0.2007



27.2431, 0.2223, 0.1692



29.2261, 0.2804, 0.2136



12.6774, 0.2996, 0.3049



3.1505, 0.1535, 0.0619



0.2253, 0.1627, 0.0670

Previews

White Background



This preview shows how the Yxy color 64.5163, 0.3684, 0.4358 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 64.5163, 0.3684, 0.4358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

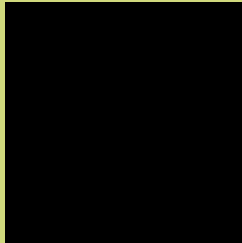
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5163, 0.3684, 0.4358

Background



This preview shows how black text looks on a background with the Yxy color 64.5163, 0.3684, 0.4358.



This preview shows how white text looks on a background with the Yxy color 64.5163, 0.3684, 0.4358.

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

64.5163, 0.3684, 0.4358

Protanopia

64.3213, 0.3914, 0.4253

Deuteranopia

63.9644, 0.4116, 0.4020



Tritanopia

64.4766, 0.3113, 0.3113

Trichromacy



Original Color

64.5163, 0.3684, 0.4358

Protanomaly

64.5482, 0.3828, 0.4297

Deuteranomaly

63.7057, 0.3951, 0.4134

Tritanomaly

64.1281, 0.3328, 0.3555

Monochromacy



Original Color

64.5163, 0.3684, 0.4358

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.6752, 0.3338, 0.3695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5163, 0.3684, 0.4358 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, 217, 125)` looks like.

```
.text, #text, p{  
    color:rgb(208, 217, 125)  
}
```

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, 217, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 217, 125) }
```

Border

The CSS property to change the border of an element to Yxy 64.5163, 0.3684, 0.4358 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, 217, 125) }
```

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

```
.border{ border-color:rgb(208, 217, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 217, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 217, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 217, 125);  
box-shadow:4px 4px 4px 4px rgb(208, 217,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5163, 0.3684, 0.4358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 217, 125) }
```

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

```
.background{ background-color: rgb(208,  
217, 125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor