

Converting Colors

$Yxy(64.8970, 0.3580, 0.4084)$

Have a look what the booklet for
Yxy(64.8970, 0.3580, 0.4084)
contains.

Yxy(64.7045, 0.3578, 0.4082)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.7045, 0.3578, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	D4D793
RGB	212, 215, 147
RGB Percent	83%, 84%, 58%
CMY	0.1686, 0.1568, 0.4236
CMYK	0.01, 0.00, 0.32, 0.16
HSL	63°, 46%, 71%
HSV	63°, 32%, 84%
XYZ	56.7155, 64.7045, 37.0918
YIQ	206.3510, 20.0400, -21.7840

Conversions

Conversions Part 2

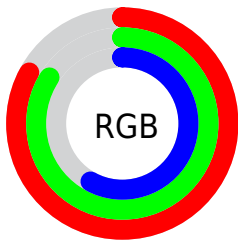
Format	Color
RYB	147, 215, 150
Decimal	13948819
CIELab	84.33, -11.52, 33.30
CIElCh	84, 35.240, 109.078
Yxy	64.7045, 0.3578, 0.4082
Android (android.graphics.Color)	4292138899 (0xFFD4D793)
YUV	206.3510, -29.2600, 4.9542
Hunter-Lab	80.4391, -14.9128, 28.9678

Details

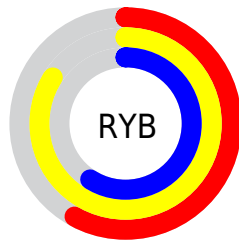
The Yxy color **64.7045, 0.3578, 0.4082** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.2484, 0.2590, 0.2368**, and the grayscale version is **62.1395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **33.0358, 0.3677, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **63.9534, 0.3713, 0.4325**, and if you desaturate by 10%, it is **65.5884, 0.3436, 0.3830**.

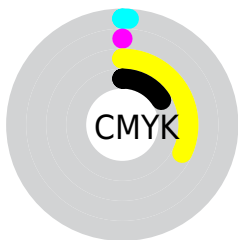
Distribution



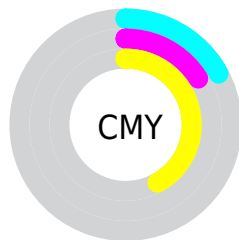
- Red (83%)
- Green (84%)
- Blue (58%)



- Red (58%)
- Yellow (84%)
- Blue (59%)



- Cyan (1%)
- Magenta (0%)
- Yellow (32%)
- Black (16%)





- Cyan (17%)
- Magenta (16%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7045, 0.3578, 0.4082 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 64.7045, 0.3578, 0.4082 by changing the saturation by 10% instead.


 64.7045, 0.3578,
0.4082


 64.7045, 0.3578,
0.4082


441.7293, 0.3373,
0.3703

 47.2215, 0.3623,
0.4171

 111.6249, 0.3508,
0.3948

 33.2108, 0.3676,
0.4281


 141.8311, 0.3481,
0.3897

 22.2880, 0.3741,
0.4421


177.0472, 0.3457,
0.3853

 14.0687, 0.3820,
0.4605

217.6575, 0.3436,
0.3815

 8.1684, 0.3914,
0.4850

264.0465, 0.3417,
0.3781

 4.2029, 0.4035,
0.5215


316.5985, 0.3401,


 1.7877, 0.4189,


0.3752

0.5811


375.6980, 0.3386,
0.3726


 0.4795, 0.2669,
0.7331


 0.0000, 0.0000,
0.0000


 64.7045, 0.3578,
0.4082


 64.7045, 0.3578,
0.4082


 63.9534, 0.3713,
0.4325


 65.5884, 0.3436,
0.3830


 63.3192, 0.3836,
0.4548

 66.6029, 0.3292,
0.3576

 62.7973, 0.3940,
0.4742

 67.7570, 0.3150,
0.3330

 62.3789, 0.4021,
0.4899

 69.0562, 0.3014,
0.3094

■ 62.0542, 0.4077,
0.5012

■ 70.5060, 0.2886,
0.2874

■ 61.8112, 0.4106,
0.5082

■ 70.6858, 0.2889,
0.2869

■ 61.6538, 0.4116,
0.5114

■ 70.8327, 0.2896,
0.2870

■ 70.9805, 0.2902,
0.2871

■ 71.1292, 0.2908,
0.2871

Harmonies

Analogous

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



64.7045, 0.3899, 0.3918



64.7045, 0.3578, 0.4082



64.7045, 0.3150, 0.4010

Triad

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



64.7045, 0.3578, 0.4082



64.7045, 0.2317, 0.2874



64.7045, 0.3504, 0.2926

Complementary

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



64.7045, 0.3578, 0.4082



32.2484, 0.2590, 0.2368

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.



64.7045, 0.3055, 0.2686



64.7045, 0.3578, 0.4082



64.7045, 0.2394, 0.2639

Square

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



64.7045, 0.3578, 0.4082



64.7045, 0.2436, 0.3259



64.7045, 0.2654, 0.2581



64.7045, 0.3864, 0.3254

Rectangle

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



64.7045, 0.3578, 0.4082



64.7045, 0.2863, 0.3820



64.7045, 0.2654, 0.2581



64.7045, 0.3357, 0.2834

Sweetspot

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



64.7074, 0.3578, 0.4082



98.4168, 0.3255, 0.3513



38.1253, 0.3838, 0.3320



21.0139, 0.3276, 0.3549



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.



64.7074, 0.3578, 0.4082



94.4473, 0.3670, 0.4247



60.2617, 0.3316, 0.4155



14.4906, 0.3260, 0.3521



36.8858, 0.4117, 0.5113



2.2336, 0.4131, 0.5102

Inverse Universe

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



32.2484, 0.2590, 0.2368



39.4302, 0.2453, 0.2137



35.8648, 0.2874, 0.2437



12.0347, 0.2988, 0.3049



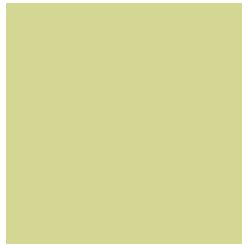
2.9834, 0.1515, 0.0608



0.1894, 0.1562, 0.0634

Previews

White Background



This preview shows how the Yxy color 64.7045, 0.3578, 0.4082 looks on a white background.

Color Contrast Check

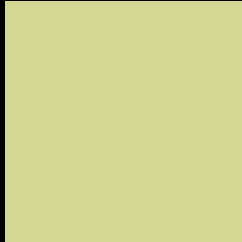
Large Text (above 18pt) WCAG AA × Fail

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 64.7045, 0.3578, 0.4082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

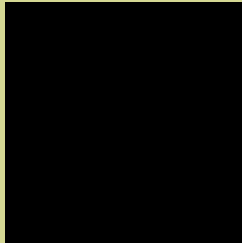
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

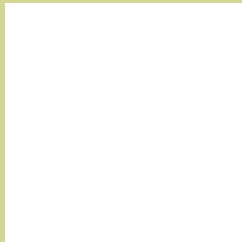
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.7045, 0.3578, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 64.7045, 0.3578, 0.4082.



This preview shows how white text looks on a background with the Yxy color 64.7045, 0.3578, 0.4082.

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

64.7045, 0.3578, 0.4082

Protanopia

64.4684, 0.3731, 0.4020

Deuteranopia

64.2993, 0.3920, 0.3829



Tritanopia

64.7887, 0.3128, 0.3114

Trichromacy



Original Color

64.7045, 0.3578, 0.4082

Protanomaly

64.6919, 0.3676, 0.4040

Deuteranomaly

64.1454, 0.3791, 0.3917

Tritanomaly

64.4465, 0.3295, 0.3449

Monochromacy



Original Color

64.7045, 0.3578, 0.4082

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.5136, 0.3289, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7045, 0.3578, 0.4082 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(212, 215, 147)` looks like.

```
.text, #text, p{  
    color:rgb(212, 215, 147)  
}
```

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(212, 215, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 215, 147) }
```

Border

The CSS property to change the border of an element to Yxy 64.7045, 0.3578, 0.4082 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(212, 215, 147) }
```

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

```
.border{ border-color:rgb(212, 215, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 215, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 215, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 215, 147);  
box-shadow:4px 4px 4px 4px rgb(212, 215,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7045, 0.3578, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 215, 147) }
```

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

```
.background{ background-color: rgb(212,  
215, 147) }
```

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