

Converting Colors

Yxy(64.2199, 0.3950, 0.4816)

Have a look what the booklet for
Yxy(64.2199, 0.3950, 0.4816)
contains.

| | |
|---|----|
| Yxy(64.2199, 0.3950, 0.4816) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(64.2199, 0.3950, 0.4816)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D1DA4C |
| RGB | 209, 218, 76 |
| RGB Percent | 82%, 85%, 30% |
| CMY | 0.1804, 0.1451, 0.7020 |
| CMYK | 0.04, 0.00, 0.65, 0.15 |
| HSL | 64°, 66%, 58% |
| HSV | 64°, 65%, 85% |
| XYZ | 52.6721, 64.2199, 16.4550 |
| YIQ | 199.1210, 40.2180, -46.0700 |

Conversions

Conversions Part 2

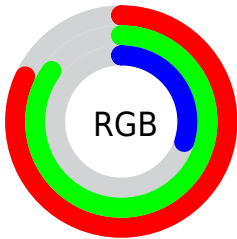
| Format | Color |
|-------------------------------------|--|
| RYB | 76, 218, 85 |
| Decimal | 13752908 |
| CIELab | 84.08, -20.69, 66.02 |
| CIELCh | 84, 69.186, 107.398 |
| Yxy | 64.2199, 0.3950, 0.4816 |
| Android (android.graphics.Color) | 4291942988 (0xFFD1DA4C) |
| YUV | 199.1210, -60.6987, 8.6639 |
| Hunter-Lab | 80.1373, -22.9172, 43.9218 |

Details

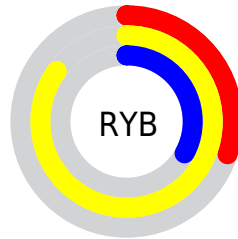
The Yxy color **64.2199, 0.3950, 0.4816** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **12.1608, 0.1921, 0.1231**, and the grayscale version is **57.5535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4459, 0.3840, 0.4468**, and **32.7825, 0.4060, 0.5143** is the 20% darker color. If you saturate the color by 10%, you get **63.7688, 0.4019, 0.4962**, and if you desaturate by 10%, it is **64.7814, 0.3857, 0.4630**.

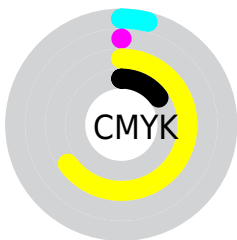
Distribution



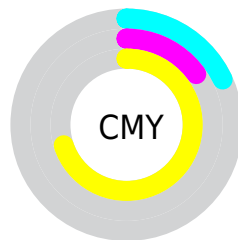
- Red (82%)
- Green (85%)
- Blue (30%)



- Red (30%)
- Yellow (85%)
- Blue (33%)



- Cyan (4%)
- Magenta (0%)
- Yellow (65%)
- Black (15%)





- Cyan (18%)
- Magenta (15%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2199, 0.3950, 0.4816 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 64.2199, 0.3950, 0.4816 by changing the saturation by 10% instead.


 64.2199, 0.3950,
0.4816

 64.2199, 0.3950,
0.4816


439.9833, 0.3616,
0.4107


 46.8288, 0.4006,
0.4967

 110.9276, 0.3849,
0.4577

 32.9003, 0.4061,
0.5143


 141.0129, 0.3805,
0.4481


 22.0501, 0.4109,
0.5348


 176.0985, 0.3765,
0.4398

 13.8937, 0.4135,
0.5585

 216.5687, 0.3729,
0.4325

 8.0468, 0.4126,
0.5874

 262.8078, 0.3696,
0.4261

 4.1249, 0.3933,
0.6067

315.2004, 0.3667,

 1.7437, 0.3607,

0.4204

0.6393

374.1308, 0.3640,
0.4153

0.4517, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.2199, 0.3950,
0.4816

64.2199, 0.3950,
0.4816

63.7688, 0.4019,
0.4962

64.7814, 0.3857,
0.4630

63.4082, 0.4062,
0.5064


65.4537, 0.3743,
0.4413

63.1279, 0.4079,
0.5122

66.2481, 0.3615,
0.4173


63.0096, 0.4082,
0.5141


67.1722, 0.3478,
0.3921

 68.2328, 0.3337,
0.3666

 69.4363, 0.3197,
0.3415

 70.7887, 0.3062,
0.3175

 72.2958, 0.2934,
0.2949

 72.8052, 0.2915,
0.2904

Harmonies

Analogous

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



64.2199, 0.4583, 0.4349



64.2199, 0.3950, 0.4816



64.2199, 0.3145, 0.4824

Triad

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



64.2199, 0.3950, 0.4816



64.2199, 0.1667, 0.2476



64.2199, 0.3799, 0.2584

Complementary

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



64.2199, 0.3950, 0.4816



12.1608, 0.1921, 0.1231

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.



64.2199, 0.2909, 0.2190



64.2199, 0.3950, 0.4816



64.2199, 0.1784, 0.2089

Square

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



64.2199, 0.3950, 0.4816



64.2199, 0.1859, 0.3219



64.2199, 0.2200, 0.2011



64.2199, 0.4554, 0.3126

Rectangle

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



64.2199, 0.3950, 0.4816



64.2199, 0.2616, 0.4451



64.2199, 0.2200, 0.2011



64.2199, 0.3498, 0.2432

Sweetspot

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



64.2229, 0.3950, 0.4816



96.5321, 0.3408, 0.3794



21.6286, 0.5190, 0.3369



20.5718, 0.3448, 0.3866



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.



64.2229, 0.3950, 0.4816



90.7550, 0.4037, 0.5003



56.2328, 0.3406, 0.5152



15.2197, 0.3257, 0.3522



37.7659, 0.4084, 0.5140



2.4596, 0.4102, 0.5125

Inverse Universe

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



12.1608, 0.1921, 0.1231



11.3122, 0.1700, 0.0878



17.1098, 0.2511, 0.1503



12.6564, 0.2991, 0.3049



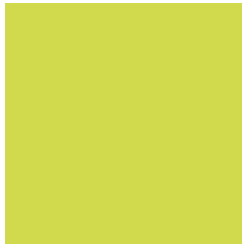
3.1037, 0.1521, 0.0612



0.2152, 0.1584, 0.0646

Previews

White Background



This preview shows how the Yxy color 64.2199, 0.3950, 0.4816 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 64.2199, 0.3950, 0.4816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

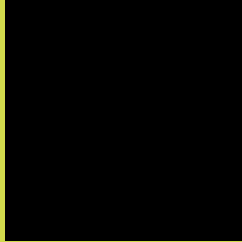
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.2199, 0.3950, 0.4816

Background



This preview shows how black text looks on a background with the Yxy color 64.2199, 0.3950, 0.4816.



This preview shows how white text looks on a background with the Yxy color 64.2199, 0.3950, 0.4816.

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

64.2199, 0.3950, 0.4816

Protanopia

64.0800, 0.4216, 0.4641

Deuteranopia

63.6727, 0.4263, 0.4198



Tritanopia

64.0410, 0.3158, 0.3114

Trichromacy



Original Color

64.2199, 0.3950, 0.4816

Protanomaly

64.1041, 0.4117, 0.4703

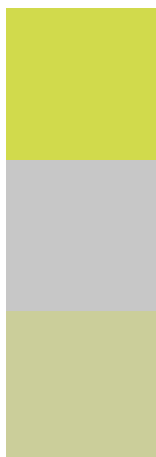
Deuteranomaly

63.6659, 0.4152, 0.4426

Tritanomaly

63.3335, 0.3493, 0.3763

Monochromacy



Original Color

64.2199, 0.3950, 0.4816

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

59.1722, 0.3481, 0.3921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2199, 0.3950, 0.4816 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(209, 218, 76)` looks like.

```
.text, #text, p{  
    color:rgb(209, 218, 76)  
}
```

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(209, 218, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 218, 76) }
```

Border

The CSS property to change the border of an element to Yxy 64.2199, 0.3950, 0.4816 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(209, 218, 76) }
```

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

```
.border{ border-color:rgb(209, 218, 76) }
```

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

Here you see how a box with a 4 pixel rgb(209, 218, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 218, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 218, 76);  
box-shadow:4px 4px 4px 4px rgb(209, 218,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2199, 0.3950, 0.4816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 218, 76) }
```

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

```
.background{ background-color: rgb(209,  
218, 76) }
```

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