

Converting Colors

$Y_{xy}(72.1310, 0.3961, 0.4849)$

Have a look what the booklet for
Yxy(72.1310, 0.3961, 0.4849)
contains.

| | |
|--|----|
| Yxy(72.3311, 0.3964, 0.4850) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(72.3311, 0.3964, 0.4850)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | DCE64C |
| RGB | 220, 230, 76 |
| RGB Percent | 86%, 90%, 30% |
| CMY | 0.1373, 0.0980, 0.7018 |
| CMYK | 0.04, 0.00, 0.67, 0.10 |
| HSL | 64°, 75%, 60% |
| HSV | 64°, 67%, 90% |
| XYZ | 59.1176, 72.3311, 17.6876 |
| YIQ | 209.4540, 43.4740, -50.0140 |

Conversions

Conversions Part 2

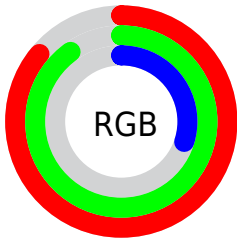
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 76, 230, 86 |
| Decimal | 14476876 |
| CIELab | 88.13, -22.02, 70.40 |
| CIELCh | 88, 73.767, 107.369 |
| Yxy | 72.3311, 0.3964, 0.4850 |
| Android (android.graphics.Color) | 4292666956 (0xFFDCE64C) |
| YUV | 209.4540, -65.7928, 9.2488 |
| Hunter-Lab | 85.0477, -24.7561, 47.2027 |

Details

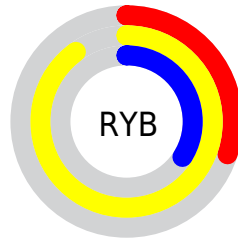
The Yxy color **72.3311, 0.3964, 0.4850** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **12.8666, 0.1886, 0.1171**, and the grayscale version is **64.4940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **38.3413, 0.4064, 0.5155** is the 20% darker color. If you saturate the color by 10%, you get **71.8374, 0.4028, 0.4988**, and if you desaturate by 10%, it is **72.9479, 0.3875, 0.4671**.

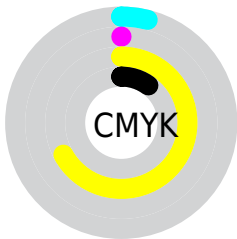
Distribution



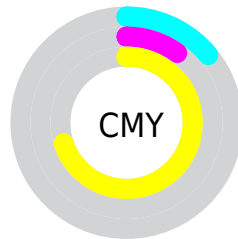
- Red (86%)
- Green (90%)
- Blue (30%)



- Red (30%)
- Yellow (90%)
- Blue (34%)



- Cyan (4%)
- Magenta (0%)
- Yellow (67%)
- Black (10%)





- Cyan (14%)
- Magenta (10%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3311, 0.3964, 0.4850 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 72.3311, 0.3964, 0.4850 by changing the saturation by 10% instead.


 72.3311, 0.3964,
0.4850


 72.3311, 0.3964,
0.4850

468.6932, 0.3635,
0.4143


 53.4292, 0.4017,
0.4996

 122.5272, 0.3867,
0.4615

 38.1455, 0.4068,
0.5165


 154.5901, 0.3824,
0.4520


 26.0956, 0.4112,
0.5360

 191.8088, 0.3785,
0.4437

 16.8952, 0.4132,
0.5577

 234.5677, 0.3749,
0.4364

 10.1598, 0.4138,
0.5862

 283.2512, 0.3716,
0.4299

 5.5050, 0.3965,
0.6035


338.2437, 0.3687,


 2.5465, 0.3688,


0.4242


0.6312


399.9296, 0.3660,
0.4190


 0.8999, 0.2609,
0.7391


 0.0000, 0.0000,
0.0000


 72.3311, 0.3964,
0.4850


 72.3311, 0.3964,
0.4850


 71.8374, 0.4028,
0.4988


 72.9479, 0.3875,
0.4671

 71.4439, 0.4065,
0.5081


 73.6887, 0.3765,
0.4458


 71.1374, 0.4077,
0.5132

 74.5665, 0.3640,
0.4221


 71.0528, 0.4079,
0.5144


 75.5900, 0.3504,
0.3969

 76.7673, 0.3363,
0.3713

 78.1058, 0.3223,
0.3460

 79.6123, 0.3086,
0.3217

 80.9648, 0.2986,
0.3037

 81.2159, 0.2996,
0.3037

Harmonies

Analogous

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



72.3311, 0.4613, 0.4365



72.3311, 0.3964, 0.4850



72.3311, 0.3142, 0.4866

Triad

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



72.3311, 0.3964, 0.4850



72.3311, 0.1638, 0.2456



72.3311, 0.3813, 0.2568

Complementary

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



72.3311, 0.3964, 0.4850



12.8666, 0.1886, 0.1171

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.



72.3311, 0.2902, 0.2168



72.3311, 0.3964, 0.4850



72.3311, 0.1758, 0.2064

Square

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



72.3311, 0.3964, 0.4850



72.3311, 0.1832, 0.3215



72.3311, 0.2179, 0.1986



72.3311, 0.4589, 0.3118

Rectangle

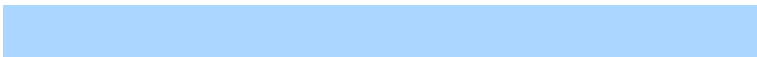
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.3311, 0.3964, 0.4850



72.3311, 0.2602, 0.4484



72.3311, 0.2179, 0.1986



72.3311, 0.3504, 0.2414

Sweetspot

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



72.3344, 0.3964, 0.4850



96.5166, 0.3408, 0.3794



23.6447, 0.5284, 0.3369



20.5680, 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.



72.3344, 0.3964, 0.4850



90.5913, 0.4044, 0.5026



63.1674, 0.3406, 0.5205



16.7670, 0.3258, 0.3523



40.2450, 0.4080, 0.5142



2.9884, 0.4098, 0.5128

Inverse Universe

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



12.8666, 0.1886, 0.1171



10.6862, 0.1674, 0.0838



18.4342, 0.2487, 0.1455



13.9316, 0.2990, 0.3048



3.3098, 0.1521, 0.0611



0.2604, 0.1579, 0.0643

Previews

White Background



This preview shows how the Yxy color 72.3311, 0.3964, 0.4850 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 72.3311, 0.3964, 0.4850 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 72.3311, 0.3964, 0.4850

Background



This preview shows how black text looks on a background with the Yxy color 72.3311, 0.3964, 0.4850.



This preview shows how white text looks on a background with the Yxy color 72.3311, 0.3964, 0.4850.

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

72.3311, 0.3964, 0.4850

Protanopia

71.9815, 0.4240, 0.4663

Deuteranopia

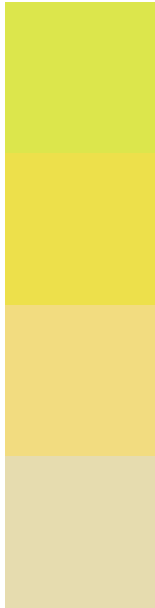
71.7875, 0.3855, 0.3877



Tritanopia

72.0892, 0.3157, 0.3112

Trichromacy



Original Color

72.3311, 0.3964, 0.4850

Protanomaly

71.8238, 0.4138, 0.4729

Deuteranomaly

71.6222, 0.3923, 0.4251

Tritanomaly

71.1045, 0.3511, 0.3785

Monochromacy



Original Color

72.3311, 0.3964, 0.4850

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

66.3451, 0.3484, 0.3938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3311, 0.3964, 0.4850 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(220, 230, 76)` looks like.

```
.text, #text, p{  
    color:rgb(220, 230, 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(220, 230, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 230, 76) }
```

Border

The CSS property to change the border of an element to Yxy 72.3311, 0.3964, 0.4850 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(220, 230, 76) }
```

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

```
.border{ border-color:rgb(220, 230, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 230, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 230, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 230, 76);  
box-shadow:4px 4px 4px 4px rgb(220, 230,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3311, 0.3964, 0.4850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 230, 76) }
```

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

```
.background{ background-color: rgb(220,  
230, 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