

Converting Colors

$Y_{xy}(49.8204, 0.3825, 0.4527)$

Have a look what the booklet for
Yxy(49.8204, 0.3825, 0.4527)
contains.

| | |
|--|----|
| Yxy(49.7850, 0.3825, 0.4521) | 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(49.7850, 0.3825, 0.4521)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BDC15F |
| RGB | 189, 193, 95 |
| RGB Percent | 74%, 76%, 37% |
| CMY | 0.2588, 0.2431, 0.6275 |
| CMYK | 0.02, 0.00, 0.51, 0.24 |
| HSL | 62°, 44%, 56% |
| HSV | 62°, 51%, 76% |
| XYZ | 42.1207, 49.7850, 18.2138 |
| YIQ | 180.6320, 29.0740, -31.3260 |

Conversions

Conversions Part 2

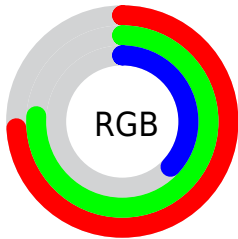
| Format | Color |
|-------------------------------------|--|
| RYB | 95, 193, 99 |
| Decimal | 12435807 |
| CIELab | 75.94, -15.08, 48.31 |
| CIELCh | 76, 50.612, 107.333 |
| Yxy | 49.7850, 0.3825, 0.4521 |
| Android (android.graphics.Color) | 4290625887 (0xFFBDC15F) |
| YUV | 180.6320, -42.2166, 7.3387 |
| Hunter-Lab | 70.5585, -16.9198, 34.0860 |

Details

The Yxy color **49.7850, 0.3825, 0.4521** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **14.6867, 0.2197, 0.1711**, and the grayscale version is **46.2202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6636, 0.3721, 0.4301**, and **24.0063, 0.3961, 0.4835** is the 20% darker color. If you saturate the color by 10%, you get **49.3780, 0.3932, 0.4717**, and if you desaturate by 10%, it is **50.2841, 0.3701, 0.4297**.

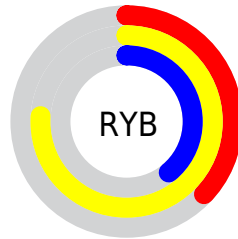
Distribution



Red (74%)

Green (76%)

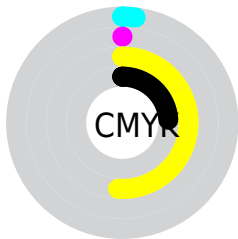
Blue (37%)



Red (37%)

Yellow (76%)

Blue (39%)

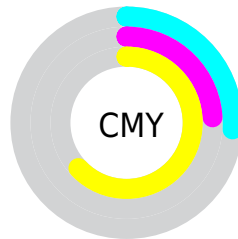


Cyan (2%)

Magenta (0%)

Yellow (51%)

Black (24%)



Cyan (26%)


Magenta (24%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7850, 0.3825, 0.4521 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 49.7850, 0.3825, 0.4521 by changing the saturation by 10% instead.


 49.7850, 0.3825,
0.4521


 49.7850, 0.3825,
0.4521


385.8246, 0.3508,
0.3912


 35.2426, 0.3889,
0.4664


 89.8562, 0.3720,
0.4305


 23.8498, 0.3961,
0.4840


 116.1539, 0.3677,
0.4222

 15.2222, 0.4038,
0.5058


 147.1387, 0.3640,
0.4151

 8.9755, 0.4107,
0.5327

 183.1951, 0.3607,
0.4090

 4.7252, 0.4226,
0.5774

224.7075, 0.3578,
0.4037

 2.0870, 0.4016,
0.5984

272.0603, 0.3552,

 0.6573, 0.2808,

0.3990

0.7192

325.6378, 0.3529,
0.3949

0.0000, 0.0000,
0.0000

49.7850, 0.3825,
0.4521

49.7850, 0.3825,
0.4521

49.3780, 0.3932,
0.4717

50.2841, 0.3701,
0.4297

49.0496, 0.4016,
0.4877

50.8743, 0.3565,
0.4055

48.7947, 0.4075,
0.4995

51.5632, 0.3422,
0.3804

48.6045, 0.4109,
0.5070

52.3558, 0.3279,
0.3553

48.4706, 0.4122,
0.5109

53.2567, 0.3138,
0.3309

■ 54.2702, 0.3003,
0.3076

■ 55.4005, 0.2876,
0.2858

■ 56.6515, 0.2758,
0.2657

■ 57.1127, 0.2730,
0.2602

Harmonies

Analogous

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



49.7850, 0.4324, 0.4188



49.7850, 0.3825, 0.4521



49.7850, 0.3169, 0.4482

Triad

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



49.7850, 0.3825, 0.4521



49.7850, 0.1919, 0.2650



49.7850, 0.3668, 0.2713

Complementary

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



49.7850, 0.3825, 0.4521



14.6867, 0.2197, 0.1711

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.



49.7850, 0.2960, 0.2379



49.7850, 0.3825, 0.4521



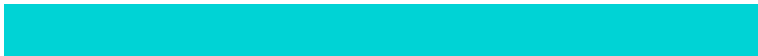
49.7850, 0.2016, 0.2310

Square

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



49.7850, 0.3825, 0.4521



49.7850, 0.2094, 0.3254



49.7850, 0.2372, 0.2231



49.7850, 0.4262, 0.3176

Rectangle

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



49.7850, 0.3825, 0.4521



49.7850, 0.2734, 0.4190



49.7850, 0.2372, 0.2231



49.7850, 0.3431, 0.2584

Sweetspot

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



49.7873, 0.3825, 0.4521



93.1069, 0.3343, 0.3664



20.9487, 0.4533, 0.3337



19.9103, 0.3373, 0.3718



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.7873, 0.3825, 0.4521



88.3533, 0.3943, 0.4738



44.6084, 0.3397, 0.4724



11.7367, 0.3259, 0.3518



32.2450, 0.4123, 0.5108



1.3998, 0.4140, 0.5095

Inverse Universe

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



14.6867, 0.2197, 0.1711



18.4558, 0.1971, 0.1336



18.2616, 0.2668, 0.1889



9.7672, 0.2989, 0.3052



2.6033, 0.1515, 0.0608



0.1194, 0.1570, 0.0638

Previews

White Background



This preview shows how the Yxy color 49.7850, 0.3825, 0.4521 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 49.7850, 0.3825, 0.4521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

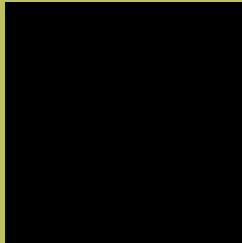
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7850, 0.3825, 0.4521

Background



This preview shows how black text looks on a background with the Yxy color 49.7850, 0.3825, 0.4521.



This preview shows how white text looks on a background with the Yxy color 49.7850, 0.3825, 0.4521.

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

49.7850, 0.3825, 0.4521

Protanopia

49.5964, 0.4039, 0.4404

Deuteranopia

49.3997, 0.4258, 0.4167



Tritanopia

49.7208, 0.3169, 0.3119

Trichromacy



Original Color

49.7850, 0.3825, 0.4521

Protanomaly

49.4827, 0.3955, 0.4444

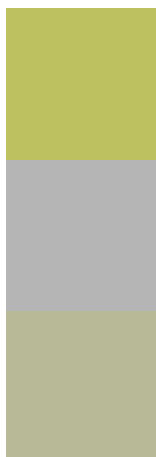
Deuteranomaly

49.0450, 0.4095, 0.4285

Tritanomaly

49.3568, 0.3430, 0.3634

Monochromacy



Original Color

49.7850, 0.3825, 0.4521

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.0903, 0.3399, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7850, 0.3825, 0.4521 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(189, 193, 95)` looks like.

```
.text, #text, p{  
    color:rgb(189, 193, 95)  
}
```

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(189, 193, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 193, 95) }
```

Border

The CSS property to change the border of an element to Yxy 49.7850, 0.3825, 0.4521 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(189, 193, 95) }
```

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

```
.border{ border-color:rgb(189, 193, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 193, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 193, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 193, 95);  
box-shadow:4px 4px 4px 4px rgb(189, 193,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7850, 0.3825, 0.4521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 193, 95) }
```

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

```
.background{ background-color: rgb(189,  
193, 95) }
```

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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