

Converting Colors

$Y_{xy}(49.7441, 0.3704, 0.4142)$

Have a look what the booklet for
Yxy(49.7441, 0.3704, 0.4142)
contains.

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Color

Yxy(49.8591, 0.3696, 0.4142)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C3BE7B |
| RGB | 195, 190, 123 |
| RGB Percent | 76%, 75%, 48% |
| CMY | 0.2354, 0.2549, 0.5176 |
| CMYK | 0.00, 0.03, 0.37, 0.24 |
| HSL | 56°, 37%, 62% |
| HSV | 56°, 37%, 76% |
| XYZ | 44.4904, 49.8591, 26.0250 |
| YIQ | 183.8570, 24.4870, -19.7770 |

Conversions

Conversions Part 2

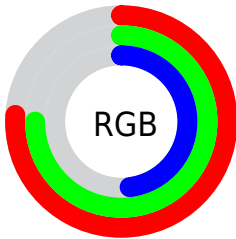
| Format | Color |
|-------------------------------------|--|
| RYB | 128, 195, 123 |
| Decimal | 12828283 |
| CIELab | 75.98, -8.26, 34.47 |
| CIElCh | 76, 35.446, 103.469 |
| Yxy | 49.8591, 0.3696, 0.4142 |
| Android (android.graphics.Color) | 4291018363 (0xFFC3BE7B) |
| YUV | 183.8570, -30.0025, 9.7724 |
| Hunter-Lab | 70.6110, -11.1003, 27.5753 |

Details

The Yxy color $49.8591, 0.3696, 0.4142$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $23.5864, 0.2471, 0.2265$, and the grayscale version is $48.0087, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.7416, 0.3600, 0.3992$, and $23.9478, 0.3830, 0.4375$ is the 20% darker color. If you saturate the color by 10%, you get $48.8407, 0.3846, 0.4358$, and if you desaturate by 10%, it is $50.9846, 0.3540, 0.3912$.

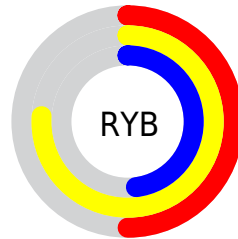
Distribution



Red (76%)

Green (75%)

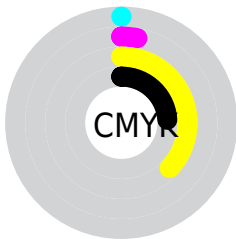
Blue (48%)



Red (50%)

Yellow (76%)

Blue (48%)

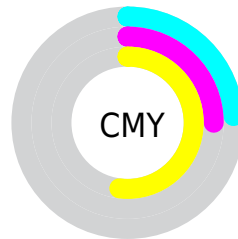


Cyan (0%)

Magenta (3%)

Yellow (37%)

Black (24%)



Cyan (24%)


Magenta (25%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8591, 0.3696, 0.4142 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 49.8591, 0.3696, 0.4142 by changing the saturation by 10% instead.


 49.8591, 0.3696,
0.4142


 49.8591, 0.3696,
0.4142


386.1147, 0.3425,
0.3719

 35.3015, 0.3758,
0.4244


 89.9661, 0.3601,
0.3990

 23.8952, 0.3833,
0.4373


 116.2842, 0.3565,
0.3933

 15.2559, 0.3926,
0.4538


 147.2913, 0.3533,
0.3884

 8.9992, 0.4038,
0.4755

183.3717, 0.3506,
0.3842

 4.7406, 0.4176,
0.5054

224.9098, 0.3481,
0.3805

 2.0959, 0.4413,
0.5587

272.2901, 0.3460,

 0.6623, 0.3925,

0.3773

0.6075

325.8969, 0.3441,
0.3744

0.0000, 0.0000,
0.0000

49.8591, 0.3696,
0.4142

49.8591, 0.3696,
0.4142

48.8407, 0.3846,
0.4358

50.9846, 0.3540,
0.3912

47.9169, 0.3983,
0.4551

52.2159, 0.3383,
0.3678

47.0834, 0.4102,
0.4711


53.5600, 0.3229,
0.3446


46.3331, 0.4197,
0.4832


55.0218, 0.3083,
0.3222


45.6574, 0.4266,
0.4909

56.6054, 0.2945,
0.3010


 45.0449, 0.4309,
0.4945

 58.3150, 0.2818,
0.2812

 44.8613, 0.4320,
0.4952

 59.8611, 0.2728,
0.2674

 60.4843, 0.2729,
0.2689

 61.1131, 0.2730,
0.2705

Harmonies

Analogous

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



49.8591, 0.4014, 0.3917



49.8591, 0.3696, 0.4142



49.8591, 0.3239, 0.4122

Triad

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



49.8591, 0.3696, 0.4142



49.8591, 0.2253, 0.2899



49.8591, 0.3449, 0.2836

Complementary

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



49.8591, 0.3696, 0.4142



23.5864, 0.2471, 0.2265

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.



49.8591, 0.2956, 0.2600



49.8591, 0.3696, 0.4142



49.8591, 0.2298, 0.2612

Square

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



49.8591, 0.3696, 0.4142



49.8591, 0.2419, 0.3343



49.8591, 0.2543, 0.2515



49.8591, 0.3877, 0.3177

Rectangle

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



49.8591, 0.3696, 0.4142



49.8591, 0.2920, 0.3946



49.8591, 0.2543, 0.2515



49.8591, 0.3284, 0.2743

Sweetspot

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



49.8614, 0.3696, 0.4142



94.9025, 0.3294, 0.3544



27.3560, 0.3938, 0.3211



20.7097, 0.3315, 0.3576



0.0000, 0.0000, 0.0000



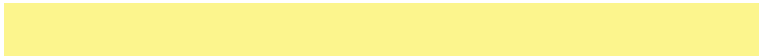
21.4041, 0.3127, 0.3290

Same Dimension

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



49.8614, 0.3696, 0.4142



87.8913, 0.3813, 0.4312



48.4480, 0.3413, 0.4283



11.6355, 0.3266, 0.3502



29.2167, 0.4318, 0.4954



1.2987, 0.4287, 0.4978

Inverse Universe

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



23.5864, 0.2471, 0.2265



34.2574, 0.2311, 0.2007



24.8834, 0.2739, 0.2267



9.8570, 0.2983, 0.3069



2.8020, 0.1514, 0.0650



0.1603, 0.1565, 0.0832

Previews

White Background



This preview shows how the Yxy color 49.8591, 0.3696, 0.4142 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 49.8591, 0.3696, 0.4142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

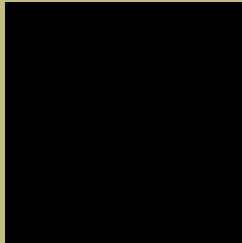
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8591, 0.3696, 0.4142

Background



This preview shows how black text looks on a background with the Yxy color 49.8591, 0.3696, 0.4142.



This preview shows how white text looks on a background with the Yxy color 49.8591, 0.3696, 0.4142.

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

49.8591, 0.3696, 0.4142

Protanopia

49.7832, 0.3800, 0.4096

Deuteranopia

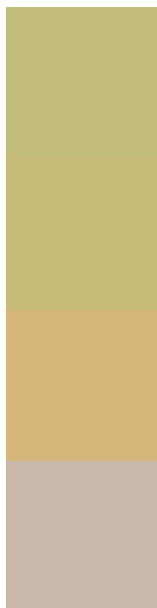
49.5682, 0.3999, 0.3920



Tritanopia

49.6844, 0.3203, 0.3121

Trichromacy



Original Color

49.8591, 0.3696, 0.4142

Protanomaly

49.7891, 0.3767, 0.4115

Deuteranomaly

49.4683, 0.3886, 0.4003

Tritanomaly

49.4249, 0.3387, 0.3479

Monochromacy



Original Color

49.8591, 0.3696, 0.4142

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.4178, 0.3335, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8591, 0.3696, 0.4142 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(195, 190, 123)` looks like.

```
.text, #text, p{  
    color:rgb(195, 190, 123)  
}
```

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(195, 190, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 190, 123) }
```

Border

The CSS property to change the border of an element to Yxy 49.8591, 0.3696, 0.4142 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(195, 190, 123) }
```

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

```
.border{ border-color:rgb(195, 190, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 190, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 190, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 190, 123);  
box-shadow:4px 4px 4px 4px rgb(195, 190,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8591, 0.3696, 0.4142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 190, 123) }
```

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

```
.background{ background-color: rgb(195,  
190, 123) }
```

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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