

Converting Colors

$Y_{xy}(49.7655, 0.3656, 0.4164)$

Have a look what the booklet for
Yxy(49.7655, 0.3656, 0.4164)
contains.

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Color

Yxy(49.7680, 0.3656, 0.4165)

Conversions

Conversions Part 1

Format	Color
Hex	BFBF7B
RGB	191, 191, 123
RGB Percent	75%, 75%, 48%
CMY	0.2511, 0.2509, 0.5177
CMYK	0.00, 0.00, 0.36, 0.25
HSL	60°, 35%, 62%
HSV	60°, 36%, 75%
XYZ	43.6859, 49.7680, 26.0371
YIQ	183.2480, 21.8280, -21.1480

Conversions

Conversions Part 2

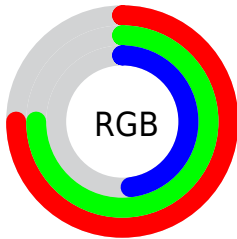
Format	Color
RYB	123, 191, 123
Decimal	12566395
CIELab	75.93, -10.37, 34.36
CIELCh	76, 35.886, 106.794
Yxy	49.7680, 0.3656, 0.4165
Android (android.graphics.Color)	4290756475 (0xFFBFBF7B)
YUV	183.2480, -29.7023, 6.7985
Hunter-Lab	70.5464, -12.9201, 27.4999

Details

The Yxy color **49.7680, 0.3656, 0.4165** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **22.1374, 0.2489, 0.2235**, and the grayscale version is **47.6528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6126, 0.3569, 0.4008**, and **23.8922, 0.3774, 0.4410** is the 20% darker color. If you saturate the color by 10%, you get **49.3362, 0.3794, 0.4394**, and if you desaturate by 10%, it is **50.2977, 0.3509, 0.3921**.

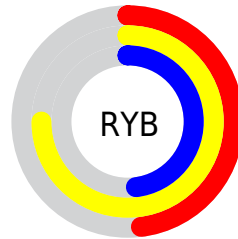
Distribution



Red (75%)

Green (75%)

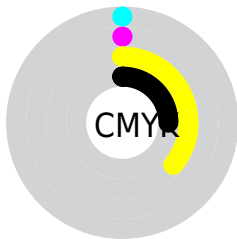
Blue (48%)



Red (48%)

Yellow (75%)

Blue (48%)

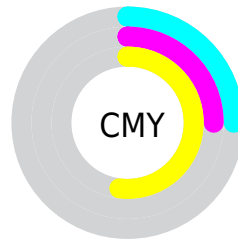


Cyan (0%)

Magenta (0%)

Yellow (36%)

Black (25%)



Cyan (25%)


Magenta (25%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7680, 0.3656, 0.4165 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 49.7680, 0.3656, 0.4165 by changing the saturation by 10% instead.


 49.7680, 0.3656,
0.4165


 49.7680, 0.3656,
0.4165


385.7580, 0.3405,
0.3728


 35.2291, 0.3713,
0.4271


 89.8310, 0.3569,
0.4008

 23.8394, 0.3781,
0.4406

 116.1240, 0.3535,
0.3948

 15.2145, 0.3865,
0.4579


 147.1037, 0.3506,
0.3898

 8.9701, 0.3965,
0.4809

183.1546, 0.3480,
0.3854

 4.7217, 0.4084,
0.5130

224.6611, 0.3458,
0.3817

 2.0849, 0.4290,
0.5710

272.0075, 0.3438,

 0.6561, 0.3609,

0.3784

0.6391

325.5784, 0.3421,
0.3754

0.0000, 0.0000,
0.0000

49.7680, 0.3656,
0.4165

49.7680, 0.3656,
0.4165

49.3362, 0.3794,
0.4394

50.2977, 0.3509,
0.3921

48.9900, 0.3918,
0.4599

50.9234, 0.3358,
0.3672

48.7257, 0.4021,
0.4770


51.6521, 0.3209,
0.3425

48.5365, 0.4101,
0.4902


52.4882, 0.3065,
0.3187


48.4145, 0.4155,
0.4991


53.4358, 0.2928,
0.2961

 48.3500, 0.4184,
0.5039

 54.4987, 0.2801,
0.2750

 48.3310, 0.4192,
0.5053

 55.5710, 0.2693,
0.2572

 55.5725, 0.2693,
0.2572

 55.5740, 0.2694,
0.2573

Harmonies

Analogous

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



49.7680, 0.4000, 0.3958



49.7680, 0.3656, 0.4165



49.7680, 0.3185, 0.4113

Triad

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



49.7680, 0.3656, 0.4165



49.7680, 0.2237, 0.2852



49.7680, 0.3508, 0.2864

Complementary

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



49.7680, 0.3656, 0.4165



22.1374, 0.2489, 0.2235

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.



49.7680, 0.3007, 0.2612



49.7680, 0.3656, 0.4165



49.7680, 0.2306, 0.2583

Square

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



49.7680, 0.3656, 0.4165



49.7680, 0.2381, 0.3289



49.7680, 0.2575, 0.2507



49.7680, 0.3924, 0.3217

Rectangle

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



49.7680, 0.3656, 0.4165



49.7680, 0.2866, 0.3914



49.7680, 0.2575, 0.2507



49.7680, 0.3342, 0.2766

Sweetspot

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



49.7703, 0.3656, 0.4165



91.7455, 0.3291, 0.3562



26.6701, 0.3968, 0.3293



20.1079, 0.3312, 0.3596



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.



49.7703, 0.3656, 0.4165



88.4848, 0.3768, 0.4351



45.8655, 0.3354, 0.4260



11.1203, 0.3264, 0.3517



31.7574, 0.4192, 0.5053



1.2441, 0.4192, 0.5053

Inverse Universe

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



22.1374, 0.2489, 0.2235



31.4511, 0.2318, 0.1951



25.0925, 0.2813, 0.2323



9.2257, 0.2984, 0.3053



2.4727, 0.1500, 0.0600



0.0970, 0.1501, 0.0601

Previews

White Background



This preview shows how the Yxy color 49.7680, 0.3656, 0.4165 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 49.7680, 0.3656, 0.4165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

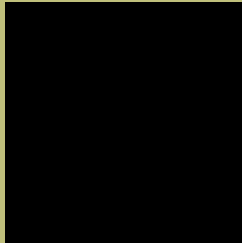
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

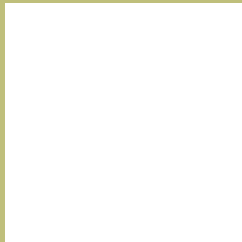
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7680, 0.3656, 0.4165

Background



This preview shows how black text looks on a background with the Yxy color 49.7680, 0.3656, 0.4165.



This preview shows how white text looks on a background with the Yxy color 49.7680, 0.3656, 0.4165.

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

49.7680, 0.3656, 0.4165

Protanopia

49.6176, 0.3798, 0.4110

Deuteranopia

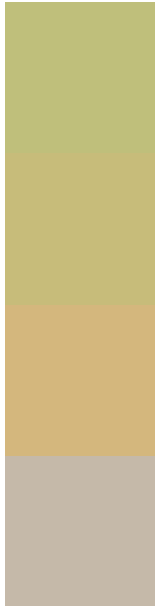
49.5939, 0.3991, 0.3909



Tritanopia

49.7208, 0.3169, 0.3119

Trichromacy



Original Color

49.7680, 0.3656, 0.4165

Protanomaly

49.5137, 0.3749, 0.4121

Deuteranomaly

49.3447, 0.3868, 0.3994

Tritanomaly

49.4328, 0.3358, 0.3492

Monochromacy



Original Color

49.7680, 0.3656, 0.4165

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.1301, 0.3325, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7680, 0.3656, 0.4165 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(191, 191, 123)` looks like.

```
.text, #text, p{  
    color:rgb(191, 191, 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(191, 191, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 191, 123) }
```

Border

The CSS property to change the border of an element to Yxy 49.7680, 0.3656, 0.4165 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(191, 191, 123) }
```

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

```
.border{ border-color:rgb(191, 191, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 191, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 191, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 191, 123);  
box-shadow:4px 4px 4px 4px rgb(191, 191,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7680, 0.3656, 0.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 191, 123) }
```

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

```
.background{ background-color: rgb(191,  
191, 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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