

Converting Colors

$Y_{xy}(49.8290, 0.3762, 0.4286)$

Have a look what the booklet for
Yxy(49.8290, 0.3762, 0.4286)
contains.

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Color

Yxy(49.9008, 0.3765, 0.4289)

Conversions

Conversions Part 1

Format	Color
Hex	C2BF70
RGB	194, 191, 112
RGB Percent	76%, 75%, 44%
CMY	0.2392, 0.2510, 0.5609
CMYK	0.00, 0.02, 0.42, 0.24
HSL	58°, 40%, 60%
HSV	58°, 42%, 76%
XYZ	43.8043, 49.9008, 22.6409
YIQ	182.8910, 27.1470, -23.9330

Conversions

Conversions Part 2

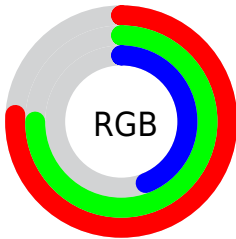
Format	Color
RYB	115, 194, 112
Decimal	12762992
CIELab	76.01, -10.37, 40.15
CIELCh	76, 41.465, 104.486
Yxy	49.9008, 0.3765, 0.4289
Android (android.graphics.Color)	4290953072 (0xFFC2BF70)
YUV	182.8910, -34.9493, 9.7426
Hunter-Lab	70.6405, -12.9328, 30.4454

Details

The Yxy color **49.9008, 0.3765, 0.4289** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.5932, 0.2354, 0.2046**, and the grayscale version is **47.4754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9336, 0.3664, 0.4109**, and **24.0137, 0.3908, 0.4554** is the 20% darker color. If you saturate the color by 10%, you get **49.2070, 0.3902, 0.4498**, and if you desaturate by 10%, it is **50.6938, 0.3617, 0.4060**.

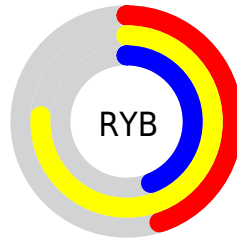
Distribution



Red (76%)

Green (75%)

Blue (44%)



Red (45%)

Yellow (76%)

Blue (44%)

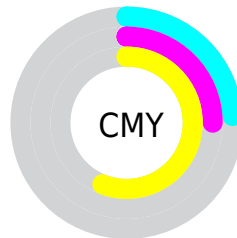


Cyan (0%)

Magenta (2%)

Yellow (42%)

Black (24%)



Cyan (24%)

Magenta (25%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9008, 0.3765, 0.4289 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 49.9008, 0.3765, 0.4289 by changing the saturation by 10% instead.


 49.9008, 0.3765,
0.4289

 49.9008, 0.3765,
0.4289


386.2779, 0.3465,
0.3795

 35.3346, 0.3831,
0.4407


 90.0279, 0.3662,
0.4112


 23.9207, 0.3909,
0.4555


 116.3575, 0.3622,
0.4045

 15.2748, 0.4002,
0.4741


 147.3771, 0.3587,
0.3988

 9.0125, 0.4106,
0.4980

 183.4710, 0.3556,
0.3938

 4.7493, 0.4269,
0.5361

225.0237, 0.3529,
0.3895

 2.1009, 0.4292,
0.5708

272.4194, 0.3506,

 0.6652, 0.3630,

0.3858

0.6370

326.0427, 0.3484,
0.3824

0.0000, 0.0000,
0.0000

49.9008, 0.3765,
0.4289

49.9008, 0.3765,
0.4289

49.2070, 0.3902,
0.4498

50.6938, 0.3617,
0.4060

48.5995, 0.4022,
0.4678

51.5846, 0.3463,
0.3821

48.0737, 0.4119,
0.4820


52.5806, 0.3310,
0.3579

47.6221, 0.4191,
0.4921


53.6866, 0.3160,
0.3343


47.2353, 0.4237,
0.4978


54.9068, 0.3018,
0.3117

 46.9679, 0.4259,
0.5001

 56.2457, 0.2885,
0.2904

 57.7070, 0.2762,
0.2706

 58.4856, 0.2719,
0.2642

 58.8089, 0.2720,
0.2650

Harmonies

Analogous

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



49.9008, 0.4149, 0.4019



49.9008, 0.3765, 0.4289



49.9008, 0.3229, 0.4269

Triad

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



49.9008, 0.3765, 0.4289



49.9008, 0.2118, 0.2812



49.9008, 0.3520, 0.2777

Complementary

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



49.9008, 0.3765, 0.4289



19.5932, 0.2354, 0.2046

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.



49.9008, 0.2942, 0.2504



49.9008, 0.3765, 0.4289



49.9008, 0.2177, 0.2494

Square

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



49.9008, 0.3765, 0.4289



49.9008, 0.2295, 0.3326



49.9008, 0.2463, 0.2398



49.9008, 0.4019, 0.3166

Rectangle

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



49.9008, 0.3765, 0.4289



49.9008, 0.2862, 0.4054



49.9008, 0.2463, 0.2398



49.9008, 0.3326, 0.2670

Sweetspot

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



49.9031, 0.3765, 0.4289



95.0757, 0.3324, 0.3601



24.3137, 0.4154, 0.3237



20.7289, 0.3358, 0.3655



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.



49.9031, 0.3765, 0.4289



89.1948, 0.3896, 0.4489



46.9354, 0.3424, 0.4447



11.6929, 0.3266, 0.3509



30.9029, 0.4258, 0.5001



1.3553, 0.4242, 0.5014

Inverse Universe

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



19.5932, 0.2354, 0.2046



26.8685, 0.2153, 0.1718



21.8546, 0.2695, 0.2111



9.8059, 0.2983, 0.3061



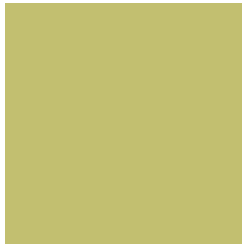
2.6888, 0.1508, 0.0627



0.1370, 0.1535, 0.0726

Previews

White Background



This preview shows how the Yxy color 49.9008, 0.3765, 0.4289 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 49.9008, 0.3765, 0.4289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

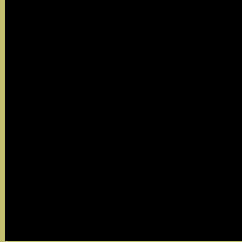
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9008, 0.3765, 0.4289

Background



This preview shows how black text looks on a background with the Yxy color 49.9008, 0.3765, 0.4289.



This preview shows how white text looks on a background with the Yxy color 49.9008, 0.3765, 0.4289.

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

49.9008, 0.3765, 0.4289

Protanopia

49.6675, 0.3893, 0.4220

Deuteranopia

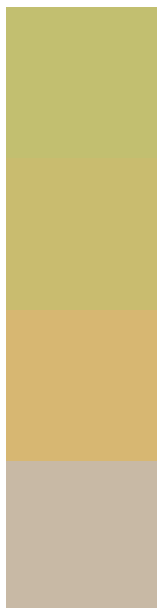
49.8089, 0.4109, 0.4022



Tritanopia

49.6844, 0.3203, 0.3121

Trichromacy



Original Color

49.9008, 0.3765, 0.4289

Protanomaly

49.5316, 0.3851, 0.4244

Deuteranomaly

49.5290, 0.3984, 0.4111

Tritanomaly

49.6939, 0.3418, 0.3542

Monochromacy



Original Color

49.9008, 0.3765, 0.4289

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.1169, 0.3366, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9008, 0.3765, 0.4289 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(194, 191, 112)` looks like.

```
.text, #text, p{  
    color:rgb(194, 191, 112)  
}
```

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(194, 191, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 191, 112) }
```

Border

The CSS property to change the border of an element to Yxy 49.9008, 0.3765, 0.4289 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(194, 191, 112) }
```

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

```
.border{ border-color:rgb(194, 191, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 191, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 191, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 191, 112);  
box-shadow:4px 4px 4px 4px rgb(194, 191,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9008, 0.3765, 0.4289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 191, 112) }
```

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

```
.background{ background-color: rgb(194,  
191, 112) }
```

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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