

Converting Colors

$Y_{xy}(49.5769, 0.3735, 0.4270)$

Have a look what the booklet for
Yxy(49.5769, 0.3735, 0.4270)
contains.

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Color

Yxy(49.6830, 0.3732, 0.4272)

Conversions

Conversions Part 1

Format	Color
Hex	C0BF72
RGB	192, 191, 114
RGB Percent	75%, 75%, 45%
CMY	0.2471, 0.2509, 0.5530
CMYK	0.00, 0.01, 0.41, 0.25
HSL	59°, 38%, 60%
HSV	59°, 41%, 75%
XYZ	43.4028, 49.6830, 23.2133
YIQ	182.5210, 25.3130, -23.7350

Conversions

Conversions Part 2

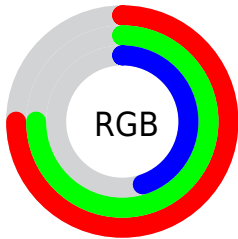
Format	Color
RYB	115, 192, 114
Decimal	12631922
CIELab	75.87, -10.98, 38.93
CIELCh	76, 40.444, 105.750
Yxy	49.6830, 0.3732, 0.4272
Android (android.graphics.Color)	4290822002 (0xFFC0BF72)
YUV	182.5210, -33.7809, 8.3131
Hunter-Lab	70.4862, -13.4369, 29.8143

Details

The Yxy color **49.6830, 0.3732, 0.4272** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.6315, 0.2385, 0.2074**, and the grayscale version is **47.2549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6355, 0.3638, 0.4094**, and **23.8655, 0.3866, 0.4539** is the 20% darker color. If you saturate the color by 10%, you get **49.1882, 0.3866, 0.4488**, and if you desaturate by 10%, it is **50.2743, 0.3586, 0.4037**.

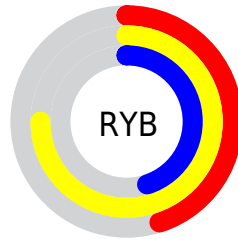
Distribution



Red (75%)

Green (75%)

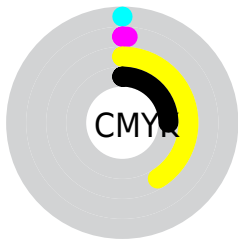
Blue (45%)



Red (45%)

Yellow (75%)

Blue (45%)

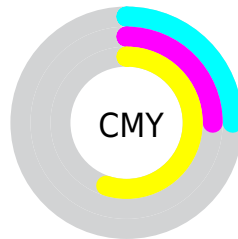


Cyan (0%)

Magenta (1%)

Yellow (41%)

Black (25%)



Cyan (25%)


Magenta (25%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6830, 0.3732, 0.4272 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 49.6830, 0.3732, 0.4272 by changing the saturation by 10% instead.

 49.6830, 0.3732,
0.4272

 49.6830, 0.3732,
0.4272


385.4250, 0.3448,
0.3784

 35.1616, 0.3795,
0.4390


 89.7050, 0.3634,
0.4097

 23.7874, 0.3870,
0.4537


 115.9744, 0.3596,
0.4031

 15.1760, 0.3958,
0.4724

 146.9286, 0.3563,
0.3974

 8.9430, 0.4059,
0.4967

182.9519, 0.3534,
0.3925

 4.7040, 0.4206,
0.5342

224.4289, 0.3508,
0.3883

 2.0747, 0.4254,
0.5746

271.7437, 0.3486,

 0.6503, 0.3500,

0.3846

0.6500

325.2810, 0.3466,
0.3813

0.0000, 0.0000,
0.0000

49.6830, 0.3732,
0.4272

49.6830, 0.3732,
0.4272

49.1882, 0.3866,
0.4488

50.2743, 0.3586,
0.4037

48.7772, 0.3983,
0.4676

50.9605, 0.3435,
0.3792

48.4459, 0.4079,
0.4827


51.7489, 0.3284,
0.3546


48.1869, 0.4149,
0.4936

52.6439, 0.3136,
0.3305

47.9916, 0.4193,
0.5003


53.6498, 0.2996,
0.3075

 47.8505, 0.4215,
0.5035

 54.7707, 0.2863,
0.2859

 56.0104, 0.2741,
0.2659

 56.5367, 0.2702,
0.2596

 56.6432, 0.2702,
0.2599

Harmonies

Analogous

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



49.6830, 0.4116, 0.4019



49.6830, 0.3732, 0.4272



49.6830, 0.3205, 0.4235

Triad

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



49.6830, 0.3732, 0.4272



49.6830, 0.2137, 0.2806



49.6830, 0.3535, 0.2802

Complementary

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



49.6830, 0.3732, 0.4272



19.6315, 0.2385, 0.2074

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.



49.6830, 0.2970, 0.2528



49.6830, 0.3732, 0.4272



49.6830, 0.2205, 0.2504

Square

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



49.6830, 0.3732, 0.4272



49.6830, 0.2301, 0.3302



49.6830, 0.2494, 0.2417



49.6830, 0.4014, 0.3188

Rectangle

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



49.6830, 0.3732, 0.4272



49.6830, 0.2847, 0.4016



49.6830, 0.2494, 0.2417



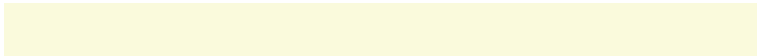
49.6830, 0.3346, 0.2695

Sweetspot

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



49.6853, 0.3732, 0.4272



93.5439, 0.3307, 0.3584



24.4778, 0.4129, 0.3275



20.0265, 0.3327, 0.3616



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.



49.6853, 0.3732, 0.4272



89.2087, 0.3855, 0.4471



45.8062, 0.3392, 0.4406



11.7360, 0.3265, 0.3515



32.2118, 0.4215, 0.5035



1.3988, 0.4210, 0.5039

Inverse Universe

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



19.6315, 0.2385, 0.2074



27.1389, 0.2190, 0.1753



22.4786, 0.2743, 0.2170



9.7678, 0.2983, 0.3055



2.6046, 0.1503, 0.0609



0.1197, 0.1512, 0.0644

Previews

White Background



This preview shows how the Yxy color 49.6830, 0.3732, 0.4272 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 49.6830, 0.3732, 0.4272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

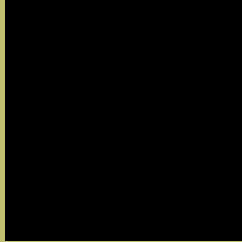
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6830, 0.3732, 0.4272

Background



This preview shows how black text looks on a background with the Yxy color 49.6830, 0.3732, 0.4272.



This preview shows how white text looks on a background with the Yxy color 49.6830, 0.3732, 0.4272.

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

49.6830, 0.3732, 0.4272

Protanopia

49.5479, 0.3876, 0.4212

Deuteranopia

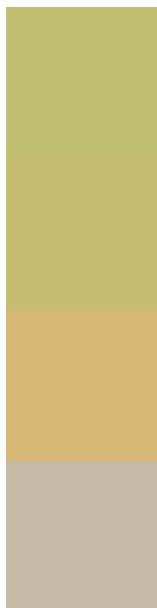
49.6933, 0.4084, 0.4003



Tritanopia

49.4508, 0.3178, 0.3108

Trichromacy



Original Color

49.6830, 0.3732, 0.4272

Protanomaly

49.4381, 0.3827, 0.4225

Deuteranomaly

49.4241, 0.3959, 0.4092

Tritanomaly

49.4569, 0.3392, 0.3530

Monochromacy



Original Color

49.6830, 0.3732, 0.4272

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.0255, 0.3349, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6830, 0.3732, 0.4272 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(192, 191, 114)` looks like.

```
.text, #text, p{  
    color:rgb(192, 191, 114)  
}
```

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(192, 191, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 191, 114) }
```

Border

The CSS property to change the border of an element to Yxy 49.6830, 0.3732, 0.4272 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(192, 191, 114) }
```

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

```
.border{ border-color:rgb(192, 191, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 191, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 191, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 191, 114);  
box-shadow:4px 4px 4px 4px rgb(192, 191,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6830, 0.3732, 0.4272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 191, 114) }
```

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

```
.background{ background-color: rgb(192,  
191, 114) }
```

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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