

Converting Colors

$Yxy(49.7152, 0.3646, 0.4292)$

Have a look what the booklet for
Yxy(49.7152, 0.3646, 0.4292)
contains.

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Color

Yxy(49.7152, 0.3646, 0.4292)

Conversions

Conversions Part 1

Format	Color
Hex	B9C174
RGB	185, 193, 116
RGB Percent	73%, 76%, 45%
CMY	0.2744, 0.2431, 0.5452
CMYK	0.04, 0.00, 0.40, 0.24
HSL	66°, 38%, 61%
HSV	66°, 40%, 76%
XYZ	42.2324, 49.7152, 23.8846
YIQ	181.8300, 19.9490, -25.6430

Conversions

Conversions Part 2

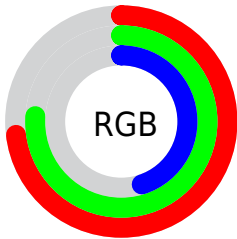
Format	Color
RYB	116, 193, 124
Decimal	12173684
CIELab	75.89, -14.56, 37.82
CIELCh	76, 40.524, 111.051
Yxy	49.7152, 0.3646, 0.4292
Android (android.graphics.Color)	4290363764 (0xFFB9C174)
YUV	181.8300, -32.4542, 2.7801
Hunter-Lab	70.5090, -16.4755, 29.2721

Details

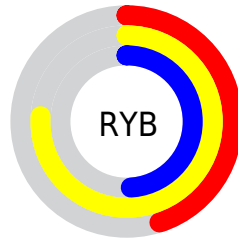
The Yxy color **49.7152, 0.3646, 0.4292** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.6168, 0.2468, 0.2105**, and the grayscale version is **46.8551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4932, 0.3564, 0.4108**, and **23.9748, 0.3761, 0.4572** is the 20% darker color. If you saturate the color by 10%, you get **49.0671, 0.3760, 0.4528**, and if you desaturate by 10%, it is **50.4646, 0.3520, 0.4041**.

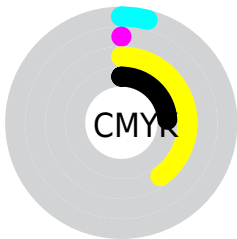
Distribution



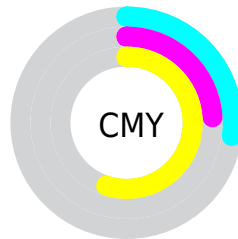
- Red (73%)
- Green (76%)
- Blue (45%)



- Red (45%)
- Yellow (76%)
- Blue (49%)



- Cyan (4%)
- Magenta (0%)
- Yellow (40%)
- Black (24%)





- Cyan (27%)
- Magenta (24%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7152, 0.3646, 0.4292 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 49.7152, 0.3646, 0.4292 by changing the saturation by 10% instead.


 49.7152, 0.3646,
0.4292


 49.7152, 0.3646,
0.4292


385.5512, 0.3405,
0.3789


 35.1872, 0.3698,
0.4415


 89.7528, 0.3564,
0.4110

 23.8071, 0.3760,
0.4570


 116.0311, 0.3531,
0.4042

 15.1906, 0.3832,
0.4770


 146.9949, 0.3503,
0.3984

 8.9532, 0.3911,
0.5035

183.0287, 0.3478,
0.3934

 4.7107, 0.4015,
0.5435

224.5168, 0.3457,
0.3890

 2.0785, 0.4045,
0.5955

271.8437, 0.3437,

 0.6525, 0.2887,

0.3852

0.7113

325.3937, 0.3420,
0.3819

0.0000, 0.0000,
0.0000

49.7152, 0.3646,
0.4292

49.7152, 0.3646,
0.4292

49.0671, 0.3760,
0.4528

50.4646, 0.3520,
0.4041

48.5078, 0.3857,
0.4739

51.3138, 0.3389,
0.3785

48.0329, 0.3933,
0.4915

52.2701, 0.3256,
0.3532


47.6351, 0.3983,
0.5050


53.3381, 0.3126,
0.3288

47.3056, 0.4008,
0.5142

54.5221, 0.3001,
0.3057


 47.0276, 0.4012,
0.5196

 55.8262, 0.2883,
0.2842

 47.0252, 0.4012,
0.5197

 57.2543, 0.2773,
0.2644

 57.7799, 0.2763,
0.2608

 58.0588, 0.2777,
0.2611

Harmonies

Analogous

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



49.7152, 0.4066, 0.4080



49.7152, 0.3646, 0.4292



49.7152, 0.3108, 0.4193

Triad

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



49.7152, 0.3646, 0.4292



49.7152, 0.2130, 0.2736



49.7152, 0.3632, 0.2863

Complementary

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



49.7152, 0.3646, 0.4292



20.6168, 0.2468, 0.2105

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.



49.7152, 0.3067, 0.2565



49.7152, 0.3646, 0.4292



49.7152, 0.2239, 0.2472

Square

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



49.7152, 0.3646, 0.4292



49.7152, 0.2254, 0.3204



49.7152, 0.2565, 0.2422



49.7152, 0.4077, 0.3263

Rectangle

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



49.7152, 0.3646, 0.4292



49.7152, 0.2758, 0.3937



49.7152, 0.2565, 0.2422



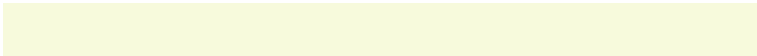
49.7152, 0.3448, 0.2749

Sweetspot

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



49.7174, 0.3646, 0.4292



93.2083, 0.3286, 0.3589



26.9324, 0.4077, 0.3398



19.9469, 0.3304, 0.3622



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.



49.7174, 0.3646, 0.4292



88.0056, 0.3748, 0.4502



45.5837, 0.3312, 0.4412



11.7036, 0.3249, 0.3519



31.2976, 0.4014, 0.5195



1.3678, 0.4057, 0.5161

Inverse Universe

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



20.6168, 0.2468, 0.2105



28.6312, 0.2291, 0.1800



24.0365, 0.2844, 0.2219



9.7968, 0.2999, 0.3053



2.6768, 0.1540, 0.0622



0.1328, 0.1672, 0.0695

Previews

White Background



This preview shows how the Yxy color 49.7152, 0.3646, 0.4292 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 49.7152, 0.3646, 0.4292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

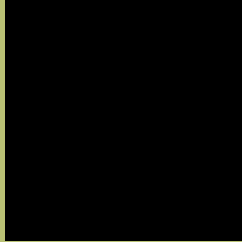
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7152, 0.3646, 0.4292

Background



This preview shows how black text looks on a background with the Yxy color 49.7152, 0.3646, 0.4292.



This preview shows how white text looks on a background with the Yxy color 49.7152, 0.3646, 0.4292.

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

49.7152, 0.3646, 0.4292

Protanopia

49.5929, 0.3861, 0.4189

Deuteranopia

49.5797, 0.4058, 0.3984



Tritanopia

49.5463, 0.3111, 0.3105

Trichromacy



Original Color

49.7152, 0.3646, 0.4292

Protanomaly

49.5033, 0.3779, 0.4222

Deuteranomaly

49.2906, 0.3901, 0.4092

Tritanomaly

49.4442, 0.3311, 0.3534

Monochromacy



Original Color

49.7152, 0.3646, 0.4292

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.6537, 0.3323, 0.3661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7152, 0.3646, 0.4292 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(185, 193, 116)` looks like.

```
.text, #text, p{  
    color:rgb(185, 193, 116)  
}
```

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(185, 193, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 193, 116) }
```

Border

The CSS property to change the border of an element to Yxy 49.7152, 0.3646, 0.4292 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(185, 193, 116) }
```

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

```
.border{ border-color:rgb(185, 193, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 193, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 193, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 193, 116);  
box-shadow:4px 4px 4px 4px rgb(185, 193,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7152, 0.3646, 0.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 193, 116) }
```

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

```
.background{ background-color: rgb(185,  
193, 116) }
```

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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