

Converting Colors

$Y_{xy}(48.3253, 0.3682, 0.4689)$

Have a look what the booklet for
Yxy(48.3253, 0.3682, 0.4689)
contains.

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Color

Yxy(48.2975, 0.3680, 0.4690)

Conversions

Conversions Part 1

Format	Color
Hex	AAC359
RGB	170, 195, 89
RGB Percent	67%, 76%, 35%
CMY	0.3334, 0.2353, 0.6508
CMYK	0.13, 0.00, 0.54, 0.24
HSL	74°, 47%, 56%
HSV	74°, 54%, 76%
XYZ	37.8965, 48.2975, 16.7857
YIQ	175.4410, 19.1260, -38.2660

Conversions

Conversions Part 2

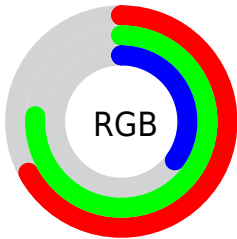
Format	Color
RYB	89, 195, 114
Decimal	11191129
CIELab	75.01, -24.29, 49.68
CIELCh	75, 55.296, 116.053
Yxy	48.2975, 0.3680, 0.4690
Android (android.graphics.Color)	4289381209 (0xFFAAC359)
YUV	175.4410, -42.6154, -4.7718
Hunter-Lab	69.4964, -24.2823, 34.3270

Details

The Yxy color **48.2975, 0.3680, 0.4690** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **14.6739, 0.2304, 0.1659**, and the grayscale version is **43.3310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9047, 0.3603, 0.4438**, and **22.8220, 0.3765, 0.5081** is the 20% darker color. If you saturate the color by 10%, you get **47.5101, 0.3744, 0.4913**, and if you desaturate by 10%, it is **49.1940, 0.3597, 0.4441**.

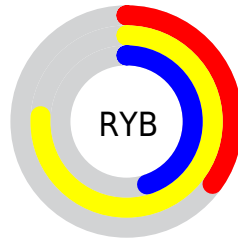
Distribution



Red (67%)

Green (76%)

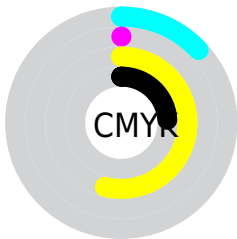
Blue (35%)



Red (35%)

Yellow (76%)

Blue (45%)

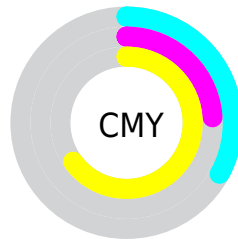


Cyan (13%)

Magenta (0%)

Yellow (54%)

Black (24%)



Cyan (33%)


Magenta (24%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2975, 0.3680, 0.4690 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 48.2975, 0.3680, 0.4690 by changing the saturation by 10% instead.

 48.2975, 0.3680,
0.4690

 48.2975, 0.3680,
0.4690

379.9701, 0.3442,
0.3981


 34.0625, 0.3722,
0.4862


 87.6472, 0.3605,
0.4435


 22.9417, 0.3765,
0.5076


 113.5307, 0.3573,
0.4338

 14.5504, 0.3799,
0.5345


 144.0659, 0.3545,
0.4256

 8.5045, 0.3808,
0.5692

 179.6371, 0.3520,
0.4185

 4.4194, 0.3789,
0.6211

220.6287, 0.3497,
0.4124

 1.9108, 0.3425,
0.6575

267.4252, 0.3477,

 0.5549, 0.0000,

0.4070

1.0000

320.4108, 0.3458,
0.4023

■ 0.0000, 0.0000,
0.0000

■ 48.2975, 0.3680,
0.4690

■ 48.2975, 0.3680,
0.4690

■ 47.5101, 0.3744,
0.4913

■ 49.1940, 0.3597,
0.4441

■ 46.8181, 0.3785,
0.5100

■ 50.1995, 0.3500,
0.4178

■ 46.2153, 0.3801,
0.5243

■ 51.3220, 0.3394,
0.3910

■ 45.6918, 0.3792,
0.5340

■ 52.5669, 0.3284,
0.3647

■ 45.4196, 0.3780,
0.5381

■ 53.9392, 0.3174,
0.3395

■ 55.4437, 0.3067,
0.3158

■ 57.0848, 0.2964,
0.2938

■ 58.8667, 0.2868,
0.2737

■ 60.1630, 0.2837,
0.2644

Harmonies

Analogous

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



48.2975, 0.4300, 0.4395



48.2975, 0.3680, 0.4690



48.2975, 0.2950, 0.4507

Triad

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



48.2975, 0.3680, 0.4690



48.2975, 0.1816, 0.2443



48.2975, 0.3939, 0.2793

Complementary

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



48.2975, 0.3680, 0.4690



14.6739, 0.2304, 0.1659

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.



48.2975, 0.3160, 0.2386



48.2975, 0.3680, 0.4690



48.2975, 0.2002, 0.2169

Square

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



48.2975, 0.3680, 0.4690



48.2975, 0.1913, 0.3021



48.2975, 0.2462, 0.2163



48.2975, 0.4506, 0.3315

Rectangle

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



48.2975, 0.3680, 0.4690



48.2975, 0.2500, 0.4089



48.2975, 0.2462, 0.2163



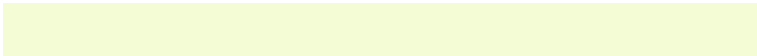
48.2975, 0.3687, 0.2641

Sweetspot

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



48.2997, 0.3680, 0.4690



93.7000, 0.3305, 0.3697



24.3075, 0.4512, 0.3619



20.4147, 0.3328, 0.3752



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.



48.2997, 0.3680, 0.4690



84.8683, 0.3753, 0.4947



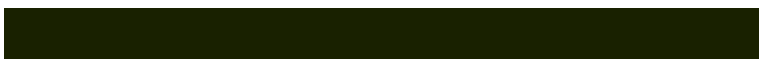
43.5570, 0.3239, 0.4916



11.6347, 0.3229, 0.3520



29.5588, 0.3786, 0.5376



1.3069, 0.3881, 0.5300

Inverse Universe

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



14.6739, 0.2304, 0.1659



18.6139, 0.2092, 0.1301



19.2809, 0.2862, 0.1883



9.8602, 0.3019, 0.3055



2.9714, 0.1639, 0.0677



0.1611, 0.1876, 0.0807

Previews

White Background



This preview shows how the Yxy color 48.2975, 0.3680, 0.4690 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 48.2975, 0.3680, 0.4690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

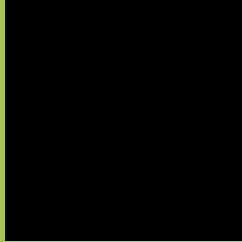
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.2975, 0.3680, 0.4690

Background



This preview shows how black text looks on a background with the Yxy color 48.2975, 0.3680, 0.4690.



This preview shows how white text looks on a background with the Yxy color 48.2975, 0.3680, 0.4690.

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

48.2975, 0.3680, 0.4690

Protanopia

48.2072, 0.4070, 0.4466

Deuteranopia

48.0276, 0.4282, 0.4205



Tritanopia

48.0115, 0.3012, 0.3100

Trichromacy



Original Color

48.2975, 0.3680, 0.4690

Protanomaly

48.2898, 0.3927, 0.4552

Deuteranomaly

47.7615, 0.4063, 0.4378

Tritanomaly

47.4742, 0.3278, 0.3679

Monochromacy



Original Color

48.2975, 0.3680, 0.4690

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.3538, 0.3355, 0.3816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2975, 0.3680, 0.4690 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(170, 195, 89)` looks like.

```
.text, #text, p{  
    color:rgb(170, 195, 89)  
}
```

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(170, 195, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 195, 89) }
```

Border

The CSS property to change the border of an element to Yxy 48.2975, 0.3680, 0.4690 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(170, 195, 89) }
```

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

```
.border{ border-color:rgb(170, 195, 89) }
```

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

Here you see how a box with a 4 pixel rgb(170, 195, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 195, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 195, 89);  
box-shadow:4px 4px 4px 4px rgb(170, 195,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2975, 0.3680, 0.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 195, 89) }
```

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

```
.background{ background-color: rgb(170,  
195, 89) }
```

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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