

Converting Colors

$Yxy(49.8114, 0.3619, 0.4899)$

Have a look what the booklet for
Yxy(49.8114, 0.3619, 0.4899)
contains.

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Color

Yxy(49.8114, 0.3619, 0.4899)

Conversions

Conversions Part 1

Format	Color
Hex	A0C94F
RGB	160, 201, 79
RGB Percent	63%, 79%, 31%
CMY	0.3725, 0.2118, 0.6903
CMYK	0.20, 0.00, 0.61, 0.21
HSL	80°, 53%, 55%
HSV	80°, 61%, 79%
XYZ	36.7968, 49.8114, 15.0685
YIQ	174.8330, 14.7260, -46.6340

Conversions

Conversions Part 2

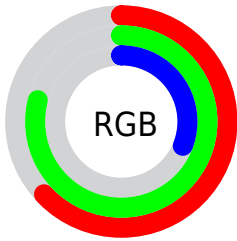
Format	Color
RYB	79, 201, 120
Decimal	10537295
CIELab	75.95, -31.94, 55.09
CIElCh	76, 63.678, 120.103
Yxy	49.8114, 0.3619, 0.4899
Android (android.graphics.Color)	4288727375 (0xFFA0C94F)
YUV	174.8330, -47.2457, -13.0085
Hunter-Lab	70.5772, -30.4457, 36.7454

Details

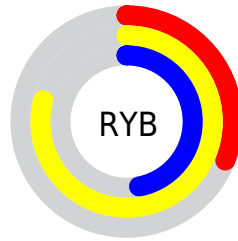
The Yxy color **49.8114, 0.3619, 0.4899** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **13.7977, 0.2299, 0.1505**, and the grayscale version is **43.0237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9652, 0.3571, 0.4578**, and **23.9248, 0.3661, 0.5342** is the 20% darker color. If you saturate the color by 10%, you get **48.8867, 0.3652, 0.5121**, and if you desaturate by 10%, it is **50.8668, 0.3565, 0.4646**.

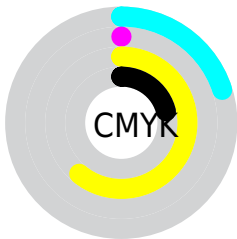
Distribution



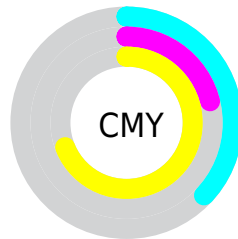
- Red (63%)
- Green (79%)
- Blue (31%)



- Red (31%)
- Yellow (79%)
- Blue (47%)



- Cyan (20%)
- Magenta (0%)
- Yellow (61%)
- Black (21%)





- Cyan (37%)
- Magenta (21%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8114, 0.3619, 0.4899 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 49.8114, 0.3619, 0.4899 by changing the saturation by 10% instead.

 49.8114, 0.3619,
0.4899


 49.8114, 0.3619,
0.4899


385.9279, 0.3426,
0.4083


 35.2636, 0.3645,
0.5095


 89.8954, 0.3565,
0.4606


 23.8660, 0.3663,
0.5339


 116.2003, 0.3539,
0.4494


 15.2342, 0.3660,
0.5643


 147.1931, 0.3516,
0.4399

 8.9839, 0.3625,
0.6051

 183.2580, 0.3494,
0.4318

 4.7307, 0.3467,
0.6533

 224.7796, 0.3475,
0.4247

 2.0901, 0.3011,
0.6989

272.1422, 0.3457,

 0.6591, 0.0000,

0.4186

1.0000

325.7302, 0.3441,
0.4131

0.0000, 0.0000,
0.0000

49.8114, 0.3619,
0.4899

49.8114, 0.3619,
0.4899

48.8867, 0.3652,
0.5121

50.8668, 0.3565,
0.4646

48.0772, 0.3660,
0.5301

52.0540, 0.3494,
0.4374

47.3747, 0.3643,
0.5431

53.3824, 0.3411,
0.4096

46.8002, 0.3610,
0.5515

54.8584, 0.3320,
0.3821

56.4880, 0.3227,
0.3556

■ 58.2769, 0.3134,
0.3307

■ 60.2303, 0.3043,
0.3076

■ 62.3534, 0.2956,
0.2866

■ 64.3321, 0.2905,
0.2721

Harmonies

Analogous

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



49.8114, 0.4350, 0.4581



49.8114, 0.3619, 0.4899



49.8114, 0.2802, 0.4623

Triad

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



49.8114, 0.3619, 0.4899



49.8114, 0.1679, 0.2269



49.8114, 0.4160, 0.2799

Complementary

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



49.8114, 0.3619, 0.4899



13.7977, 0.2299, 0.1505

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.



49.8114, 0.3278, 0.2332



49.8114, 0.3619, 0.4899



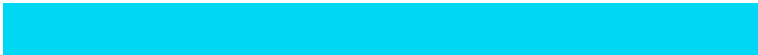
49.8114, 0.1922, 0.2020

Square

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



49.8114, 0.3619, 0.4899



49.8114, 0.1736, 0.2861



49.8114, 0.2466, 0.2056



49.8114, 0.4746, 0.3380

Rectangle

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



49.8114, 0.3619, 0.4899



49.8114, 0.2318, 0.4089



49.8114, 0.2466, 0.2056



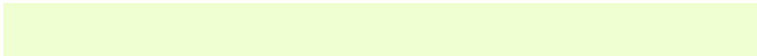
49.8114, 0.3879, 0.2627

Sweetspot

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



49.8136, 0.3619, 0.4899



94.5805, 0.3298, 0.3754



26.3325, 0.4644, 0.3800



20.0747, 0.3325, 0.3834



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.



49.8136, 0.3619, 0.4899



83.2158, 0.3657, 0.5186



45.0092, 0.3154, 0.5166



12.2317, 0.3215, 0.3522



29.4775, 0.3619, 0.5509



1.4343, 0.3741, 0.5411

Inverse Universe

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



13.7977, 0.2299, 0.1505



16.3135, 0.2082, 0.1148



19.5901, 0.2958, 0.1793



10.4577, 0.3034, 0.3055



3.4587, 0.1757, 0.0742



0.2037, 0.1998, 0.0874

Previews

White Background



This preview shows how the Yxy color 49.8114, 0.3619, 0.4899 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 49.8114, 0.3619, 0.4899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

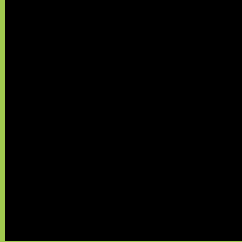
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8114, 0.3619, 0.4899

Background



This preview shows how black text looks on a background with the Yxy color 49.8114, 0.3619, 0.4899.



This preview shows how white text looks on a background with the Yxy color 49.8114, 0.3619, 0.4899.

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

49.8114, 0.3619, 0.4899

Protanopia

49.4585, 0.4158, 0.4565

Deuteranopia

49.5016, 0.4368, 0.4277



Tritanopia

49.3922, 0.2913, 0.3098

Trichromacy



Original Color

49.8114, 0.3619, 0.4899

Protanomaly

49.2974, 0.3962, 0.4691

Deuteranomaly

48.7215, 0.4091, 0.4500

Tritanomaly

49.1546, 0.3202, 0.3764

Monochromacy



Original Color

49.8114, 0.3619, 0.4899

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.7205, 0.3356, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8114, 0.3619, 0.4899 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(160, 201, 79)` looks like.

```
.text, #text, p{  
    color:rgb(160, 201, 79)  
}
```

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(160, 201, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 201, 79) }
```

Border

The CSS property to change the border of an element to Yxy 49.8114, 0.3619, 0.4899 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(160, 201, 79) }
```

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

```
.border{ border-color:rgb(160, 201, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 201, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 201, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 201, 79);  
box-shadow:4px 4px 4px 4px rgb(160, 201,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8114, 0.3619, 0.4899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 201, 79) }
```

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

```
.background{ background-color: rgb(160,  
201, 79) }
```

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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