

Converting Colors

$Yxy(48.4403, 0.3607, 0.4593)$

Have a look what the booklet for
Yxy(48.4403, 0.3607, 0.4593)
contains.

Yxy(48.2369, 0.3607, 0.4595)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.2369, 0.3607, 0.4595)

Conversions

Conversions Part 1

Format	Color
Hex	A8C362
RGB	168, 195, 98
RGB Percent	66%, 76%, 38%
CMY	0.3413, 0.2353, 0.6156
CMYK	0.14, 0.00, 0.50, 0.24
HSL	77°, 45%, 57%
HSV	77°, 50%, 76%
XYZ	37.8652, 48.2369, 18.8749
YIQ	175.8690, 15.0450, -35.8910

Conversions

Conversions Part 2

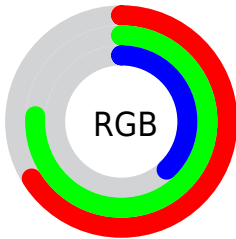
Format	Color
RYB	98, 195, 125
Decimal	11060066
CIELab	74.97, -24.22, 45.34
CIELCh	75, 51.401, 118.116
Yxy	48.2369, 0.3607, 0.4595
Android (android.graphics.Color)	4289250146 (0xFFA8C362)
YUV	175.8690, -38.3894, -6.9011
Hunter-Lab	69.4528, -24.2254, 32.5040

Details

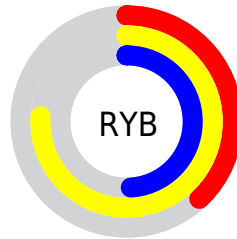
The Yxy color **48.2369, 0.3607, 0.4595** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **17.0440, 0.2427, 0.1824**, and the grayscale version is **43.5422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8627, 0.3541, 0.4354**, and **22.8324, 0.3690, 0.4962** is the 20% darker color. If you saturate the color by 10%, you get **47.3303, 0.3673, 0.4839**, and if you desaturate by 10%, it is **49.2625, 0.3524, 0.4331**.

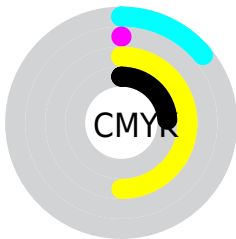
Distribution



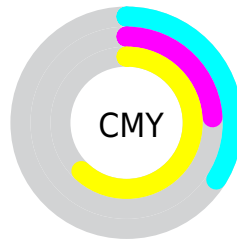
- Red (66%)
- Green (76%)
- Blue (38%)



- Red (38%)
- Yellow (76%)
- Blue (49%)



- Cyan (14%)
- Magenta (0%)
- Yellow (50%)
- Black (24%)





- Cyan (34%)
- Magenta (24%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2369, 0.3607, 0.4595 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 48.2369, 0.3607, 0.4595 by changing the saturation by 10% instead.


 48.2369, 0.3607,
0.4595

 48.2369, 0.3607,
0.4595


379.7304, 0.3398,
0.3930

 34.0145, 0.3645,
0.4759


 87.5570, 0.3541,
0.4353


 22.9048, 0.3685,
0.4966


 113.4236, 0.3513,
0.4263

 14.5232, 0.3720,
0.5232


 143.9403, 0.3488,
0.4186

 8.4854, 0.3734,
0.5577

 179.4916, 0.3466,
0.4120

 4.4071, 0.3791,
0.6209

220.4618, 0.3446,
0.4063

 1.9038, 0.3427,
0.6573

267.2355, 0.3428,

 0.5507, 0.0000,

0.4013

1.0000

320.1968, 0.3412,
0.3969

■ 0.0000, 0.0000,
0.0000

■ 48.2369, 0.3607,
0.4595

■ 48.2369, 0.3607,
0.4595

■ 47.3303, 0.3673,
0.4839

■ 49.2625, 0.3524,
0.4331

■ 46.5293, 0.3718,
0.5053

■ 50.4069, 0.3430,
0.4060

■ 45.8281, 0.3738,
0.5226

■ 51.6780, 0.3330,
0.3790


■ 45.2177, 0.3733,
0.5352


■ 53.0810, 0.3227,
0.3530


■ 44.6808, 0.3708,
0.5437

■ 54.6211, 0.3124,
0.3284

 44.6671, 0.3707,
0.5439

 56.3029, 0.3026,
0.3055

 58.1308, 0.2932,
0.2845

 60.1091, 0.2843,
0.2654

 60.9902, 0.2876,
0.2651

Harmonies

Analogous

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



48.2369, 0.4197, 0.4359



48.2369, 0.3607, 0.4595



48.2369, 0.2922, 0.4381

Triad

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



48.2369, 0.3607, 0.4595



48.2369, 0.1897, 0.2475



48.2369, 0.3929, 0.2858

Complementary

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



48.2369, 0.3607, 0.4595



17.0440, 0.2427, 0.1824

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.



48.2369, 0.3211, 0.2462



48.2369, 0.3607, 0.4595



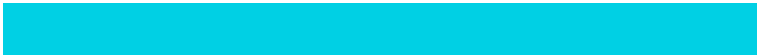
48.2369, 0.2092, 0.2229

Square

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



48.2369, 0.3607, 0.4595



48.2369, 0.1973, 0.3001



48.2369, 0.2545, 0.2237



48.2369, 0.4432, 0.3358

Rectangle

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



48.2369, 0.3607, 0.4595



48.2369, 0.2506, 0.3980



48.2369, 0.2545, 0.2237



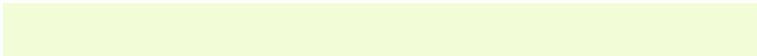
48.2369, 0.3700, 0.2710

Sweetspot

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



48.2391, 0.3607, 0.4595



93.6474, 0.3283, 0.3672



26.8721, 0.4321, 0.3639



20.3913, 0.3305, 0.3728



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.



48.2391, 0.3607, 0.4595



84.5786, 0.3680, 0.4867



43.9566, 0.3213, 0.4778



11.6127, 0.3223, 0.3520



29.0719, 0.3714, 0.5433



1.2892, 0.3825, 0.5345

Inverse Universe

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



17.0440, 0.2427, 0.1824



22.2177, 0.2231, 0.1473



21.4936, 0.2928, 0.2010



9.8808, 0.3026, 0.3055



3.1137, 0.1685, 0.0702



0.1703, 0.1938, 0.0841

Previews

White Background



This preview shows how the Yxy color 48.2369, 0.3607, 0.4595 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 48.2369, 0.3607, 0.4595 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 48.2369, 0.3607, 0.4595

Background



This preview shows how black text looks on a background with the Yxy color 48.2369, 0.3607, 0.4595.



This preview shows how white text looks on a background with the Yxy color 48.2369, 0.3607, 0.4595.

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

48.2369, 0.3607, 0.4595

Protanopia

47.7856, 0.4014, 0.4381

Deuteranopia

48.0375, 0.4205, 0.4120



Tritanopia

48.0615, 0.2988, 0.3111

Trichromacy



Original Color

48.2369, 0.3607, 0.4595

Protanomaly

47.7398, 0.3862, 0.4466

Deuteranomaly

47.6439, 0.3980, 0.4292

Tritanomaly

47.8052, 0.3228, 0.3638

Monochromacy



Original Color

48.2369, 0.3607, 0.4595

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.8893, 0.3320, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2369, 0.3607, 0.4595 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(168, 195, 98)` looks like.

```
.text, #text, p{  
    color:rgb(168, 195, 98)  
}
```

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(168, 195, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 195, 98) }
```

Border

The CSS property to change the border of an element to Yxy 48.2369, 0.3607, 0.4595 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(168, 195, 98) }
```

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

```
.border{ border-color:rgb(168, 195, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 195, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 195, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 195, 98);  
box-shadow:4px 4px 4px 4px rgb(168, 195,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2369, 0.3607, 0.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 195, 98) }
```

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

```
.background{ background-color: rgb(168,  
195, 98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor