

Converting Colors

$Yxy(48.4338, 0.3089, 0.3895)$

Have a look what the booklet for
Yxy(48.4338, 0.3089, 0.3895)
contains.

Yxy(48.4552, 0.3091, 0.3896)	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(48.4552, 0.3091, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	98C499
RGB	152, 196, 153
RGB Percent	60%, 77%, 60%
CMY	0.4038, 0.2314, 0.3999
CMYK	0.22, 0.00, 0.22, 0.23
HSL	121°, 27%, 68%
HSV	121°, 22%, 77%
XYZ	38.4433, 48.4552, 37.4732
YIQ	177.9420, -12.4210, -22.7010

Conversions

Conversions Part 2

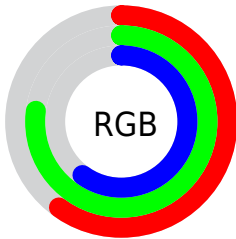
Format	Color
RYB	152, 195, 196
Decimal	10011801
CIELab	75.11, -22.95, 16.93
CIELCh	75, 28.520, 143.585
Yxy	48.4552, 0.3091, 0.3896
Android (android.graphics.Color)	4288201881 (0xFF98C499)
YUV	177.9420, -12.2964, -22.7511
Hunter-Lab	69.6098, -23.2372, 16.8091

Details

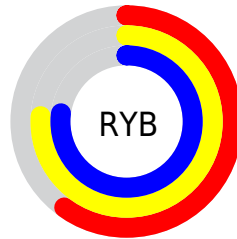
The Yxy color **48.4552, 0.3091, 0.3896** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.1398, 0.3162, 0.2750**, and the grayscale version is **44.5638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0210, 0.3104, 0.3788**, and **23.0146, 0.3070, 0.4078** is the 20% darker color. If you saturate the color by 10%, you get **46.1362, 0.3073, 0.4218**, and if you desaturate by 10%, it is **51.1924, 0.3108, 0.3605**.

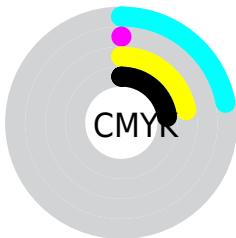
Distribution



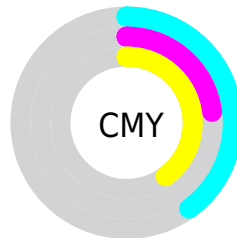
- Red (60%)
- Green (77%)
- Blue (60%)



- Red (60%)
- Yellow (76%)
- Blue (77%)



- Cyan (22%)
- Magenta (0%)
- Yellow (22%)
- Black (23%)





- Cyan (40%)
- Magenta (23%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4552, 0.3091, 0.3896 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 48.4552, 0.3091, 0.3896 by changing the saturation by 10% instead.

 48.4552, 0.3091,
0.3896

 48.4552, 0.3091,
0.3896


380.5936, 0.3115,
0.3584

 34.1875, 0.3083,
0.3977


 87.8818, 0.3101,
0.3780

 23.0377, 0.3072,
0.4082


 113.8094, 0.3104,
0.3738

 14.6213, 0.3055,
0.4225


144.3925, 0.3107,
0.3702

 8.5541, 0.3027,
0.4430

180.0155, 0.3109,
0.3671

 4.4515, 0.2975,
0.4746

221.0627, 0.3111,
0.3645

 1.9292, 0.2891,
0.5342

267.9185, 0.3112,

 0.5658, 0.0000,

0.3622

1.0000

320.9673, 0.3114,
0.3602

0.0000, 0.0000,
0.0000

48.4552, 0.3091,
0.3896

48.4552, 0.3091,
0.3896

46.1362, 0.3073,
0.4218

51.1924, 0.3108,
0.3605

44.2092, 0.3055,
0.4561

54.3605, 0.3124,
0.3348

42.6542, 0.3037,
0.4913

57.9791, 0.3138,
0.3123

41.4473, 0.3021,
0.5249

62.0649, 0.3150,
0.2929

40.5617, 0.3009,
0.5546

66.6338, 0.3161,
0.2763

■ 39.9668, 0.3001,
0.5776

■ 67.9588, 0.3154,
0.2712

■ 39.6258, 0.2998,
0.5925

■ 39.4886, 0.2996,
0.5987

Harmonies

Analogous

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



48.4552, 0.3479, 0.3999



48.4552, 0.3091, 0.3896



48.4552, 0.2728, 0.3593

Triad

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



48.4552, 0.3091, 0.3896



48.4552, 0.2494, 0.2689



48.4552, 0.3816, 0.3310

Complementary

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



48.4552, 0.3091, 0.3896



38.1398, 0.3162, 0.2750

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.



48.4552, 0.3520, 0.3005



48.4552, 0.3091, 0.3896



48.4552, 0.2752, 0.2657

Square

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



48.4552, 0.3091, 0.3896



48.4552, 0.2399, 0.2880



48.4552, 0.3124, 0.2772



48.4552, 0.3913, 0.3628

Rectangle

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



48.4552, 0.3091, 0.3896



48.4552, 0.2546, 0.3336



48.4552, 0.3124, 0.2772



48.4552, 0.3736, 0.3203

Sweetspot

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



48.4573, 0.3091, 0.3896



95.6973, 0.3116, 0.3464



53.3840, 0.3456, 0.3844



20.4078, 0.3116, 0.3480



0.0000, 0.0000, 0.0000



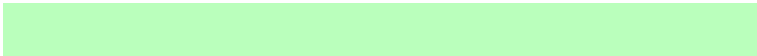
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.4573, 0.3091, 0.3896



85.5965, 0.3082, 0.4053



49.2416, 0.2940, 0.3583



11.2625, 0.3113, 0.3522



25.3756, 0.2995, 0.5983



1.0977, 0.2978, 0.5920

Inverse Universe

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



38.1398, 0.3162, 0.2750



63.5606, 0.3170, 0.2630



37.2277, 0.3367, 0.3015



10.2434, 0.3141, 0.3068



9.9750, 0.3266, 0.1573



0.4323, 0.3252, 0.1565

Previews

White Background



This preview shows how the Yxy color 48.4552, 0.3091, 0.3896 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 48.4552, 0.3091, 0.3896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

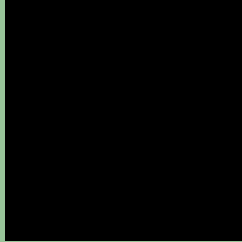
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4552, 0.3091, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 48.4552, 0.3091, 0.3896.



This preview shows how white text looks on a background with the Yxy color 48.4552, 0.3091, 0.3896.

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

48.4552, 0.3091, 0.3896

Protanopia

48.1233, 0.3534, 0.3765

Deuteranopia

47.8757, 0.3616, 0.3536



Tritanopia

48.3319, 0.2802, 0.3093

Trichromacy



Original Color

48.4552, 0.3091, 0.3896

Protanomaly

47.8397, 0.3365, 0.3812

Deuteranomaly

47.6284, 0.3405, 0.3655

Tritanomaly

48.4712, 0.2912, 0.3384

Monochromacy



Original Color

48.4552, 0.3091, 0.3896

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.9975, 0.3117, 0.3508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4552, 0.3091, 0.3896 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(152, 196, 153)` looks like.

```
.text, #text, p{  
    color:rgb(152, 196, 153)  
}
```

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(152, 196, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 196, 153) }
```

Border

The CSS property to change the border of an element to Yxy 48.4552, 0.3091, 0.3896 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(152, 196, 153) }
```

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

```
.border{ border-color:rgb(152, 196, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 196, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 196, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 196, 153);  
box-shadow:4px 4px 4px 4px rgb(152, 196,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4552, 0.3091, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 196, 153) }
```

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

```
.background{ background-color: rgb(152,  
196, 153) }
```

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