

Converting Colors

$Yxy(48.3960, 0.2985, 0.4083)$

Have a look what the booklet for
Yxy(48.3960, 0.2985, 0.4083)
contains.

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Color

Yxy(48.2894, 0.2989, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	84C892
RGB	132, 200, 146
RGB Percent	52%, 78%, 57%
CMY	0.4823, 0.2157, 0.4275
CMYK	0.34, 0.00, 0.27, 0.22
HSL	132°, 38%, 65%
HSV	132°, 34%, 78%
XYZ	35.3594, 48.2894, 34.6496
YIQ	173.5120, -23.1940, -31.2100

Conversions

Conversions Part 2

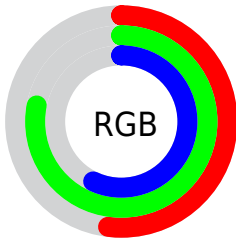
Format	Color
RYB	132, 188, 200
Decimal	8702098
CIELab	75.01, -32.67, 20.36
CIElCh	75, 38.495, 148.062
Yxy	48.2894, 0.2989, 0.4082
Android (android.graphics.Color)	4286892178 (0xFF84C892)
YUV	173.5120, -13.5634, -36.4060
Hunter-Lab	69.4906, -30.7811, 19.0800

Details

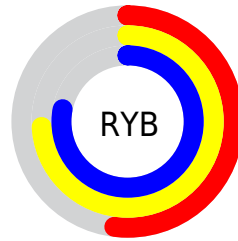
The Yxy color **48.2894, 0.2989, 0.4082** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.3316, 0.3306, 0.2611**, and the grayscale version is **42.1460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2549, 0.3021, 0.3908**, and **23.0463, 0.2934, 0.4343** is the 20% darker color. If you saturate the color by 10%, you get **46.3699, 0.2954, 0.4366**, and if you desaturate by 10%, it is **50.5908, 0.3028, 0.3819**.

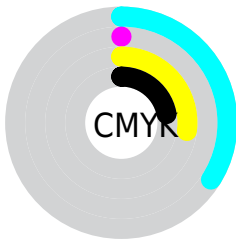
Distribution



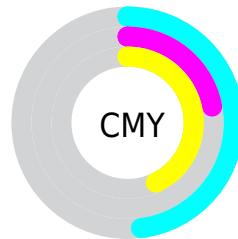
- Red (52%)
- Green (78%)
- Blue (57%)



- Red (52%)
- Yellow (74%)
- Blue (78%)



- Cyan (34%)
- Magenta (0%)
- Yellow (27%)
- Black (22%)





- Cyan (48%)
- Magenta (22%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2894, 0.2989, 0.4082 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 48.2894, 0.2989, 0.4082 by changing the saturation by 10% instead.

 48.2894, 0.2989,
0.4082


 48.2894, 0.2989,
0.4082


379.9381, 0.3068,
0.3669


 34.0561, 0.2966,
0.4190

 87.6351, 0.3020,
0.3928

 22.9367, 0.2935,
0.4332


 113.5164, 0.3031,
0.3872

 14.5468, 0.2890,
0.4526


 144.0491, 0.3040,
0.3824

 8.5019, 0.2819,
0.4806

179.6176, 0.3047,
0.3784

 4.4178, 0.2699,
0.5242

220.6064, 0.3053,
0.3749

 1.9099, 0.2540,
0.6207

267.3998, 0.3059,

 0.5543, 0.0000,

0.3719

1.0000

320.3822, 0.3064,
0.3693

0.0000, 0.0000,
0.0000

48.2894, 0.2989,
0.4082

48.2894, 0.2989,
0.4082

46.3699, 0.2954,
0.4366

50.5908, 0.3028,
0.3819

44.8056, 0.2927,
0.4663

53.2869, 0.3069,
0.3580

43.5760, 0.2909,
0.4961


56.3975, 0.3111,
0.3368


42.6561, 0.2903,
0.5245


59.9391, 0.3151,
0.3181


42.0169, 0.2911,
0.5496

63.9275, 0.3191,
0.3018

 41.6240, 0.2930,
0.5700

 68.3775, 0.3228,
0.2876

 41.4707, 0.2944,
0.5797

 69.7896, 0.3152,
0.2752

Harmonies

Analogous

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



48.2894, 0.3512, 0.4258



48.2894, 0.2989, 0.4082



48.2894, 0.2527, 0.3624

Triad

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



48.2894, 0.2989, 0.4082



48.2894, 0.2327, 0.2473



48.2894, 0.4101, 0.3364

Complementary

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



48.2894, 0.2989, 0.4082



32.3316, 0.3306, 0.2611

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.



48.2894, 0.3729, 0.2963



48.2894, 0.2989, 0.4082



48.2894, 0.2688, 0.2470

Square

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



48.2894, 0.2989, 0.4082



48.2894, 0.2171, 0.2681



48.2894, 0.3198, 0.2647



48.2894, 0.4180, 0.3778

Rectangle

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



48.2894, 0.2989, 0.4082



48.2894, 0.2311, 0.3262



48.2894, 0.3198, 0.2647



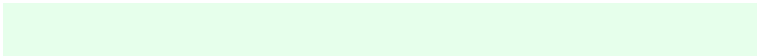
48.2894, 0.4006, 0.3225

Sweetspot

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



48.2914, 0.2989, 0.4082



94.2438, 0.3085, 0.3495



53.4657, 0.3518, 0.4164



20.0119, 0.3079, 0.3526



0.0000, 0.0000, 0.0000



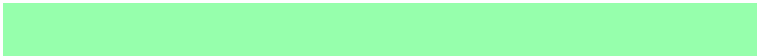
21.4041, 0.3127, 0.3290

Same Dimension

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



48.2914, 0.2989, 0.4082



81.0236, 0.2962, 0.4296



49.4954, 0.2773, 0.3577



11.9230, 0.3088, 0.3479



26.3785, 0.2938, 0.5777



1.2598, 0.2828, 0.5381

Inverse Universe

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



32.3316, 0.3306, 0.2611



49.1281, 0.3358, 0.2462



31.0661, 0.3677, 0.3024



10.7778, 0.3168, 0.3108



9.4095, 0.3803, 0.1869



0.4553, 0.3657, 0.1788

Previews

White Background



This preview shows how the Yxy color 48.2894, 0.2989, 0.4082 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 48.2894, 0.2989, 0.4082 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 48.2894, 0.2989, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 48.2894, 0.2989, 0.4082.



This preview shows how white text looks on a background with the Yxy color 48.2894, 0.2989, 0.4082.

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

48.2894, 0.2989, 0.4082

Protanopia

48.0154, 0.3610, 0.3867

Deuteranopia

47.8248, 0.3679, 0.3609



Tritanopia

48.1336, 0.2670, 0.3088

Trichromacy



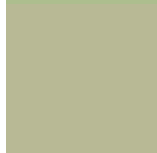
Original Color

48.2894, 0.2989, 0.4082



Protanomaly

47.6641, 0.3354, 0.3944



Deuteranomaly

47.0582, 0.3407, 0.3768



Tritanomaly

48.1084, 0.2786, 0.3428

Monochromacy



Original Color

48.2894, 0.2989, 0.4082



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

43.9182, 0.3073, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2894, 0.2989, 0.4082 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(132, 200, 146)` looks like.

```
.text, #text, p{  
    color:rgb(132, 200, 146)  
}
```

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(132, 200, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 200, 146) }
```

Border

The CSS property to change the border of an element to Yxy 48.2894, 0.2989, 0.4082 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(132, 200, 146) }
```

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

```
.border{ border-color:rgb(132, 200, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 200, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 200, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 200, 146);  
box-shadow:4px 4px 4px 4px rgb(132, 200,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2894, 0.2989, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 200, 146) }
```

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

```
.background{ background-color: rgb(132,  
200, 146) }
```

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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