

Converting Colors

$Yxy(48.2781, 0.3022, 0.4155)$

Have a look what the booklet for
Yxy(48.2781, 0.3022, 0.4155)
contains.

Yxy(48.1372, 0.3022, 0.4158)	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(48.1372, 0.3022, 0.4158)

Conversions

Conversions Part 1

Format	Color
Hex	84C88D
RGB	132, 200, 141
RGB Percent	52%, 78%, 55%
CMY	0.4821, 0.2157, 0.4470
CMYK	0.34, 0.00, 0.29, 0.22
HSL	128°, 38%, 65%
HSV	128°, 34%, 78%
XYZ	34.9857, 48.1372, 32.6472
YIQ	172.9420, -21.5890, -32.7650

Conversions

Conversions Part 2

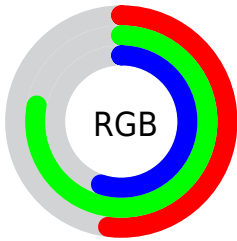
Format	Color
RYB	132, 192, 200
Decimal	8702093
CIELab	74.91, -33.53, 22.88
CIELCh	75, 40.590, 145.686
Yxy	48.1372, 0.3022, 0.4158
Android (android.graphics.Color)	4286892173 (0xFF84C88D)
YUV	172.9420, -15.7474, -35.9061
Hunter-Lab	69.3810, -31.4072, 20.6678

Details

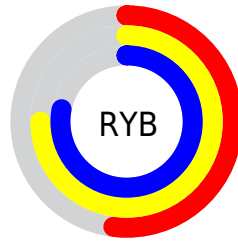
The Yxy color **48.1372, 0.3022, 0.4158** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.5638, 0.3255, 0.2555**, and the grayscale version is **41.8564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0249, 0.3048, 0.3966**, and **22.9582, 0.2974, 0.4449** is the 20% darker color. If you saturate the color by 10%, you get **46.2003, 0.2994, 0.4468**, and if you desaturate by 10%, it is **50.4684, 0.3052, 0.3869**.

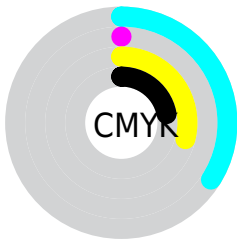
Distribution



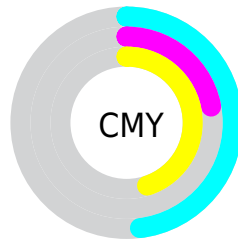
- Red (52%)
- Green (78%)
- Blue (55%)



- Red (52%)
- Yellow (75%)
- Blue (78%)



- Cyan (34%)
- Magenta (0%)
- Yellow (29%)
- Black (22%)




- Cyan (48%)
- Magenta (22%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1372, 0.3022, 0.4158 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 48.1372, 0.3022, 0.4158 by changing the saturation by 10% instead.

 48.1372, 0.3022,
0.4158

 48.1372, 0.3022,
0.4158


379.3357, 0.3086,
0.3704


 33.9356, 0.3002,
0.4277


 87.4086, 0.3048,
0.3989

 22.8441, 0.2974,
0.4434


 113.2472, 0.3057,
0.3926

 14.4784, 0.2932,
0.4647


 143.7336, 0.3064,
0.3874

 8.4542, 0.2864,
0.4955

179.2521, 0.3070,
0.3830

 4.3869, 0.2743,
0.5433

220.1872, 0.3075,
0.3792

 1.8923, 0.2642,
0.6662

266.9232, 0.3079,

 0.5437, 0.0000,

0.3759

1.0000

319.8446, 0.3083,
0.3730

0.0000, 0.0000,
0.0000

48.1372, 0.3022,
0.4158

48.1372, 0.3022,
0.4158

46.2003, 0.2994,
0.4468

50.4684, 0.3052,
0.3869

44.6300, 0.2971,
0.4790

53.2076, 0.3084,
0.3607

43.4049, 0.2956,
0.5106


56.3753, 0.3115,
0.3374


42.4986, 0.2949,
0.5396


59.9888, 0.3145,
0.3170


41.8810, 0.2953,
0.5641

64.0646, 0.3173,
0.2993

 41.5159, 0.2965,
0.5824

 68.6182, 0.3200,
0.2839

 41.3809, 0.2973,
0.5903

 69.7849, 0.3152,
0.2752

Harmonies

Analogous

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



48.1372, 0.3571, 0.4313



48.1372, 0.3022, 0.4158



48.1372, 0.2527, 0.3688

Triad

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



48.1372, 0.3022, 0.4158



48.1372, 0.2266, 0.2441



48.1372, 0.4135, 0.3329

Complementary

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



48.1372, 0.3022, 0.4158



32.5638, 0.3255, 0.2555

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.



48.1372, 0.3721, 0.2915



48.1372, 0.3022, 0.4158



48.1372, 0.2627, 0.2423

Square

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



48.1372, 0.3022, 0.4158



48.1372, 0.2121, 0.2673



48.1372, 0.3154, 0.2594



48.1372, 0.4243, 0.3765

Rectangle

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



48.1372, 0.3022, 0.4158



48.1372, 0.2291, 0.3303



48.1372, 0.3154, 0.2594



48.1372, 0.4026, 0.3185

Sweetspot

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



48.1392, 0.3022, 0.4158



94.1352, 0.3096, 0.3515



54.1881, 0.3566, 0.4148



19.9858, 0.3091, 0.3549



0.0000, 0.0000, 0.0000



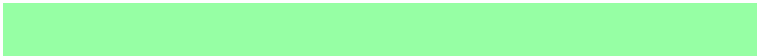
21.4041, 0.3127, 0.3290

Same Dimension

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



48.1392, 0.3022, 0.4158



80.7344, 0.3000, 0.4393



49.2703, 0.2809, 0.3660



11.9102, 0.3098, 0.3497



26.3214, 0.2969, 0.5888



1.2540, 0.2885, 0.5587

Inverse Universe

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



32.5638, 0.3255, 0.2555



49.5824, 0.3290, 0.2394



31.2719, 0.3611, 0.2952



10.7917, 0.3157, 0.3092



9.7527, 0.3568, 0.1739



0.4686, 0.3483, 0.1692

Previews

White Background



This preview shows how the Yxy color 48.1372, 0.3022, 0.4158 looks on a white background.

Color Contrast Check

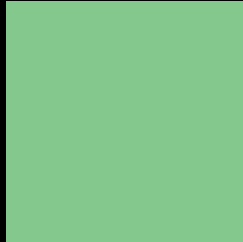
Large Text (above 18pt) WCAG AA × Fail

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 48.1372, 0.3022, 0.4158 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 48.1372, 0.3022, 0.4158

Background



This preview shows how black text looks on a background with the Yxy color 48.1372, 0.3022, 0.4158.



This preview shows how white text looks on a background with the Yxy color 48.1372, 0.3022, 0.4158.

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

48.1372, 0.3022, 0.4158

Protanopia

47.4585, 0.3655, 0.3919

Deuteranopia

47.4221, 0.3736, 0.3657



Tritanopia

48.2240, 0.2676, 0.3088

Trichromacy



Original Color

48.1372, 0.3022, 0.4158

Protanomaly

47.0856, 0.3394, 0.4001

Deuteranomaly

46.9019, 0.3447, 0.3836

Tritanomaly

48.0246, 0.2799, 0.3457

Monochromacy



Original Color

48.1372, 0.3022, 0.4158

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.7093, 0.3087, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1372, 0.3022, 0.4158 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(132, 200, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 200, 141) }
```

Border

The CSS property to change the border of an element to Yxy 48.1372, 0.3022, 0.4158 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, 141) }
```

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

```
.border{ border-color:rgb(132, 200, 141) }
```

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, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 200, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 200, 141);  
box-shadow:4px 4px 4px 4px rgb(132, 200,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1372, 0.3022, 0.4158 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, 141) }
```

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

```
.background{ background-color: rgb(132,  
200, 141) }
```

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