

Converting Colors

$Yxy(47.4609, 0.3075, 0.4092)$

Have a look what the booklet for
Yxy(47.4609, 0.3075, 0.4092)
contains.

Yxy(47.4609, 0.3075, 0.4092)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.4609, 0.3075, 0.4092)

Conversions

Conversions Part 1

Format	Color
Hex	8CC58E
RGB	140, 197, 142
RGB Percent	55%, 77%, 56%
CMY	0.4509, 0.2274, 0.4433
CMYK	0.29, 0.00, 0.28, 0.23
HSL	122°, 33%, 66%
HSV	122°, 29%, 77%
XYZ	35.6653, 47.4609, 32.8584
YIQ	173.6870, -16.3170, -29.1890

Conversions

Conversions Part 2

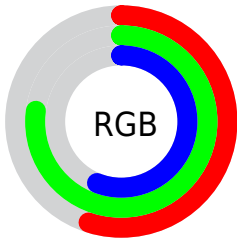
Format	Color
RYB	140, 195, 197
Decimal	9225614
CIELab	74.48, -29.38, 21.86
CIELCh	74, 36.615, 143.352
Yxy	47.4609, 0.3075, 0.4092
Android (android.graphics.Color)	4287415694 (0xFF8CC58E)
YUV	173.6870, -15.6217, -29.5435
Hunter-Lab	68.8919, -28.1515, 19.9455

Details

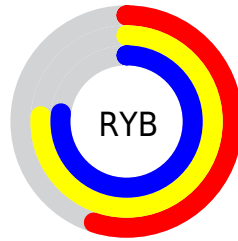
The Yxy color **47.4609, 0.3075, 0.4092** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.5780, 0.3179, 0.2601**, and the grayscale version is **42.2488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4712, 0.3091, 0.3936**, and **22.4750, 0.3048, 0.4354** is the 20% darker color. If you saturate the color by 10%, you get **45.3781, 0.3056, 0.4426**, and if you desaturate by 10%, it is **49.9517, 0.3094, 0.3784**.

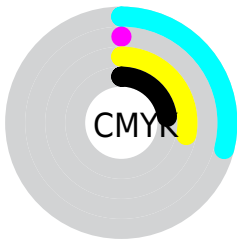
Distribution



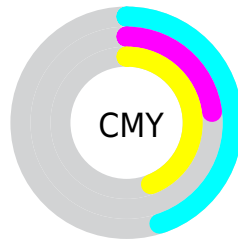
- Red (55%)
- Green (77%)
- Blue (56%)



- Red (55%)
- Yellow (76%)
- Blue (77%)



- Cyan (29%)
- Magenta (0%)
- Yellow (28%)
- Black (23%)





- Cyan (45%)
- Magenta (23%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4609, 0.3075, 0.4092 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 47.4609, 0.3075, 0.4092 by changing the saturation by 10% instead.


 47.4609, 0.3075,
0.4092

 47.4609, 0.3075,
0.4092


376.6513, 0.3111,
0.3674


 33.4002, 0.3063,
0.4202


 86.4012, 0.3091,
0.3936

 22.4332, 0.3044,
0.4345


 112.0495, 0.3096,
0.3879

 14.1755, 0.3016,
0.4542


 142.3292, 0.3100,
0.3831

 8.2429, 0.2968,
0.4825

177.6246, 0.3103,
0.3790

 4.2507, 0.2878,
0.5264

218.3201, 0.3106,
0.3755

 1.8148, 0.2842,
0.6391

264.8001, 0.3108,

 0.4964, 0.0000,

0.3724

1.0000

317.4490, 0.3109,
0.3697

0.0000, 0.0000,
0.0000

47.4609, 0.3075,
0.4092

47.4609, 0.3075,
0.4092

45.3781, 0.3056,
0.4426

49.9517, 0.3094,
0.3784

43.6759, 0.3037,
0.4773

52.8642, 0.3112,
0.3508

42.3331, 0.3020,
0.5116

56.2189, 0.3129,
0.3265

41.3239, 0.3007,
0.5430

60.0330, 0.3144,
0.3054

40.6191, 0.2998,
0.5688

64.3231, 0.3158,
0.2872

■ 40.1844, 0.2995,
0.5871

■ 68.4130, 0.3154,
0.2722

■ 39.9659, 0.2995,
0.5973

■ 39.9477, 0.2995,
0.5980

Harmonies

Analogous

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



47.4609, 0.3573, 0.4212



47.4609, 0.3075, 0.4092



47.4609, 0.2614, 0.3689

Triad

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



47.4609, 0.3075, 0.4092



47.4609, 0.2322, 0.2524



47.4609, 0.4019, 0.3300

Complementary

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



47.4609, 0.3075, 0.4092



34.5780, 0.3179, 0.2601

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.



47.4609, 0.3629, 0.2922



47.4609, 0.3075, 0.4092



47.4609, 0.2641, 0.2490

Square

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



47.4609, 0.3075, 0.4092



47.4609, 0.2205, 0.2757



47.4609, 0.3114, 0.2635



47.4609, 0.4143, 0.3701

Rectangle

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



47.4609, 0.3075, 0.4092



47.4609, 0.2386, 0.3346



47.4609, 0.3114, 0.2635



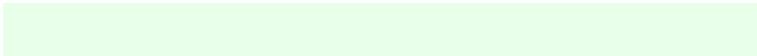
47.4609, 0.3914, 0.3168

Sweetspot

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



47.4629, 0.3075, 0.4092



94.5577, 0.3112, 0.3514



53.4430, 0.3543, 0.4008



20.0643, 0.3109, 0.3553



0.0000, 0.0000, 0.0000



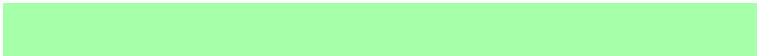
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4629, 0.3075, 0.4092



82.4565, 0.3062, 0.4311



48.4289, 0.2883, 0.3666



11.8936, 0.3111, 0.3520



26.2776, 0.2993, 0.5975



1.2463, 0.2969, 0.5887

Inverse Universe

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



34.5780, 0.3179, 0.2601



55.4676, 0.3192, 0.2445



33.4108, 0.3467, 0.2943



10.8102, 0.3143, 0.3070



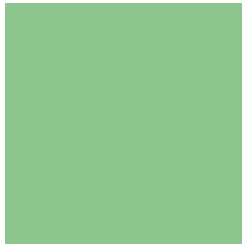
10.2642, 0.3295, 0.1589



0.4880, 0.3276, 0.1578

Previews

White Background



This preview shows how the Yxy color 47.4609, 0.3075, 0.4092 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 47.4609, 0.3075, 0.4092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

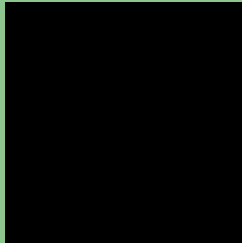
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4609, 0.3075, 0.4092

Background



This preview shows how black text looks on a background with the Yxy color 47.4609, 0.3075, 0.4092.

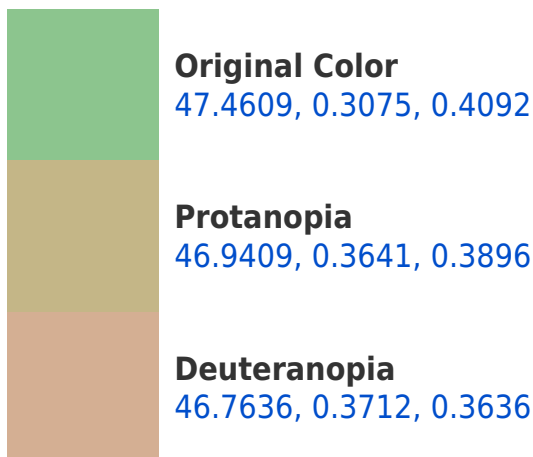


This preview shows how white text looks on a background with the Yxy color 47.4609, 0.3075, 0.4092.

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





Tritanopia

47.3341, 0.2731, 0.3089

Trichromacy



Original Color

47.4609, 0.3075, 0.4092

Protanomaly

46.6057, 0.3418, 0.3957

Deuteranomaly

46.3504, 0.3462, 0.3795

Tritanomaly

47.2385, 0.2858, 0.3442

Monochromacy



Original Color

47.4609, 0.3075, 0.4092

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.7459, 0.3114, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4609, 0.3075, 0.4092 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(140, 197, 142)` looks like.

```
.text, #text, p{  
    color:rgb(140, 197, 142)  
}
```

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(140, 197, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 197, 142) }
```

Border

The CSS property to change the border of an element to Yxy 47.4609, 0.3075, 0.4092 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(140, 197, 142) }
```

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

```
.border{ border-color:rgb(140, 197, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 197, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 197, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 197, 142);  
box-shadow:4px 4px 4px 4px rgb(140, 197,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4609, 0.3075, 0.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 197, 142) }
```

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

```
.background{ background-color: rgb(140,  
197, 142) }
```

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