

Converting Colors

Yxy(47.4768, 0.3071, 0.4170)

Have a look what the booklet for
Yxy(47.4768, 0.3071, 0.4170)
contains.

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Color

Yxy(47.4574, 0.3071, 0.4172)

Conversions

Conversions Part 1

Format	Color
Hex	88C68A
RGB	136, 198, 138
RGB Percent	53%, 78%, 54%
CMY	0.4667, 0.2235, 0.4588
CMYK	0.31, 0.00, 0.30, 0.22
HSL	122°, 35%, 65%
HSV	122°, 31%, 78%
XYZ	34.9333, 47.4574, 31.3615
YIQ	172.6220, -17.6920, -31.8040

Conversions

Conversions Part 2

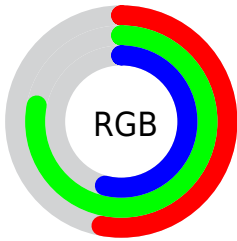
Format	Color
RYB	136, 196, 198
Decimal	8963722
CIELab	74.48, -31.85, 23.92
CIELCh	74, 39.834, 143.093
Yxy	47.4574, 0.3071, 0.4172
Android (android.graphics.Color)	4287153802 (0xFF88C68A)
YUV	172.6220, -17.0686, -32.1175
Hunter-Lab	68.8893, -30.0403, 21.2311

Details

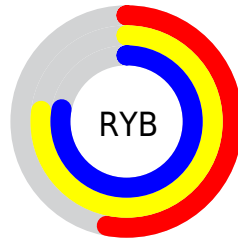
The Yxy color **47.4574, 0.3071, 0.4172** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.5979, 0.3183, 0.2542**, and the grayscale version is **41.6816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4021, 0.3088, 0.3997**, and **22.5359, 0.3036, 0.4445** is the 20% darker color. If you saturate the color by 10%, you get **45.4451, 0.3052, 0.4511**, and if you desaturate by 10%, it is **49.8779, 0.3090, 0.3857**.

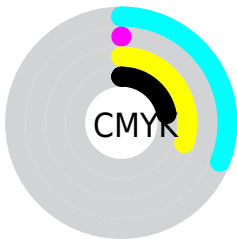
Distribution



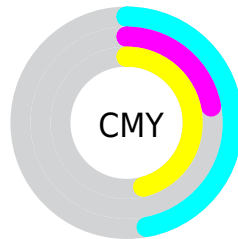
- Red (53%)
- Green (78%)
- Blue (54%)



- Red (53%)
- Yellow (77%)
- Blue (78%)



- Cyan (31%)
- Magenta (0%)
- Yellow (30%)
- Black (22%)



- Cyan (47%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4574, 0.3071, 0.4172 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 47.4574, 0.3071, 0.4172 by changing the saturation by 10% instead.


 47.4574, 0.3071,
0.4172

 47.4574, 0.3071,
0.4172


376.6373, 0.3111,
0.3711


 33.3974, 0.3057,
0.4293


 86.3960, 0.3089,
0.4000

 22.4310, 0.3036,
0.4453


 112.0433, 0.3094,
0.3936

 14.1740, 0.3003,
0.4670


 142.3219, 0.3099,
0.3883

 8.2418, 0.2947,
0.4984

177.6162, 0.3102,
0.3838

 4.2500, 0.2840,
0.5469

218.3104, 0.3105,
0.3800

 1.8144, 0.2833,
0.6889

264.7891, 0.3108,

 0.4961, 0.0000,

0.3766

1.0000

317.4366, 0.3109,
0.3737

0.0000, 0.0000,
0.0000

47.4574, 0.3071,
0.4172

47.4574, 0.3071,
0.4172

45.4451, 0.3052,
0.4511

49.8779, 0.3090,
0.3857

43.8129, 0.3033,
0.4860

52.7208, 0.3108,
0.3572

42.5386, 0.3017,
0.5199


56.0073, 0.3125,
0.3321


41.5955, 0.3005,
0.5501


59.7551, 0.3140,
0.3102


40.9527, 0.2998,
0.5742

63.9811, 0.3154,
0.2913

 40.5740, 0.2996,
0.5904

 68.7013, 0.3166,
0.2751

 40.4051, 0.2995,
0.5981

 68.8711, 0.3153,
0.2732

Harmonies

Analogous

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



47.4574, 0.3611, 0.4295



47.4574, 0.3071, 0.4172



47.4574, 0.2572, 0.3730

Triad

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



47.4574, 0.3071, 0.4172



47.4574, 0.2256, 0.2463



47.4574, 0.4096, 0.3292

Complementary

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



47.4574, 0.3071, 0.4172



33.5979, 0.3183, 0.2542

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.



47.4574, 0.3668, 0.2888



47.4574, 0.3071, 0.4172



47.4574, 0.2596, 0.2427

Square

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



47.4574, 0.3071, 0.4172



47.4574, 0.2132, 0.2712



47.4574, 0.3106, 0.2582



47.4574, 0.4232, 0.3724

Rectangle

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



47.4574, 0.3071, 0.4172



47.4574, 0.2327, 0.3352



47.4574, 0.3106, 0.2582



47.4574, 0.3980, 0.3151

Sweetspot

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



47.4594, 0.3071, 0.4172



94.5555, 0.3112, 0.3514



54.0350, 0.3586, 0.4066



20.0638, 0.3109, 0.3553



0.0000, 0.0000, 0.0000



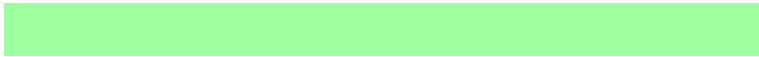
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4594, 0.3071, 0.4172



81.3807, 0.3057, 0.4416



48.4529, 0.2871, 0.3718



11.8933, 0.3112, 0.3521



26.2770, 0.2993, 0.5976



1.2462, 0.2970, 0.5892

Inverse Universe

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



33.5979, 0.3183, 0.2542



52.7677, 0.3196, 0.2374



32.3642, 0.3493, 0.2900



10.8105, 0.3143, 0.3070



10.2736, 0.3291, 0.1586



0.4884, 0.3272, 0.1576

Previews

White Background



This preview shows how the Yxy color 47.4574, 0.3071, 0.4172 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 47.4574, 0.3071, 0.4172 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 47.4574, 0.3071, 0.4172

Background



This preview shows how black text looks on a background with the Yxy color 47.4574, 0.3071, 0.4172.



This preview shows how white text looks on a background with the Yxy color 47.4574, 0.3071, 0.4172.

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

47.4574, 0.3071, 0.4172

Protanopia

46.8304, 0.3674, 0.3947

Deuteranopia

46.7892, 0.3758, 0.3684



Tritanopia

47.5306, 0.2706, 0.3088

Trichromacy



Original Color

47.4574, 0.3071, 0.4172

Protanomaly

46.6863, 0.3429, 0.4028

Deuteranomaly

46.1043, 0.3486, 0.3850

Tritanomaly

47.4054, 0.2838, 0.3457

Monochromacy



Original Color

47.4574, 0.3071, 0.4172

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.4675, 0.3113, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4574, 0.3071, 0.4172 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(136, 198, 138)` looks like.

```
.text, #text, p{  
    color:rgb(136, 198, 138)  
}
```

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(136, 198, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 198, 138) }
```

Border

The CSS property to change the border of an element to Yxy 47.4574, 0.3071, 0.4172 is called "border". The border property can be set on classes, ids or directly on the HTML element.

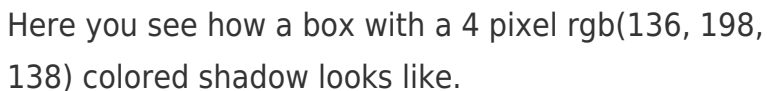
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 198, 138) }
```

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

```
.border{ border-color:rgb(136, 198, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(136, 198, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 198, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 198, 138); box-shadow:4px 4px 4px 4px rgb(136, 198, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4574, 0.3071, 0.4172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 198, 138) }
```

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

```
.background{ background-color: rgb(136,  
198, 138) }
```

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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