

Converting Colors

$Yxy(47.9952, 0.3173, 0.4243)$

Have a look what the booklet for
Yxy(47.9952, 0.3173, 0.4243)
contains.

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Color

Yxy(47.9834, 0.3172, 0.4245)

Conversions

Conversions Part 1

Format	Color
Hex	90C684
RGB	144, 198, 132
RGB Percent	56%, 78%, 52%
CMY	0.4354, 0.2235, 0.4824
CMYK	0.27, 0.00, 0.33, 0.22
HSL	109°, 37%, 65%
HSV	109°, 33%, 78%
XYZ	35.8547, 47.9834, 29.1970
YIQ	174.3300, -10.9980, -31.9740

Conversions

Conversions Part 2

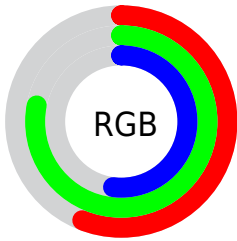
Format	Color
RYB	132, 198, 186
Decimal	9488004
CIELab	74.81, -30.17, 27.61
CIELCh	75, 40.891, 137.536
Yxy	47.9834, 0.3172, 0.4245
Android (android.graphics.Color)	4287678084 (0xFF90C684)
YUV	174.3300, -20.8687, -26.5994
Hunter-Lab	69.2701, -28.8296, 23.4986

Details

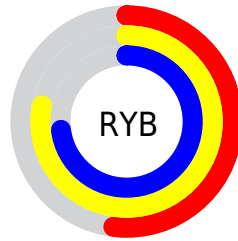
The Yxy color **47.9834, 0.3172, 0.4245** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.0213, 0.3045, 0.2441**, and the grayscale version is **42.6162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2073, 0.3170, 0.4055**, and **22.8310, 0.3164, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **46.1379, 0.3176, 0.4580**, and if you desaturate by 10%, it is **50.1454, 0.3162, 0.3927**.

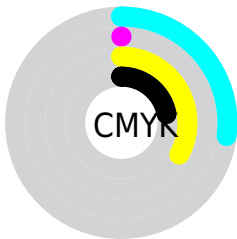
Distribution



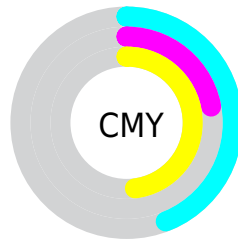
- Red (56%)
- Green (78%)
- Blue (52%)



- Red (52%)
- Yellow (78%)
- Blue (73%)



- Cyan (27%)
- Magenta (0%)
- Yellow (33%)
- Black (22%)




- Cyan (44%)
- Magenta (22%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9834, 0.3172, 0.4245 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 47.9834, 0.3172, 0.4245 by changing the saturation by 10% instead.


 47.9834, 0.3172,
0.4245


 47.9834, 0.3172,
0.4245


378.7263, 0.3164,
0.3747

 33.8137, 0.3169,
0.4375


 87.1797, 0.3173,
0.4060

 22.7505, 0.3161,
0.4545


 112.9751, 0.3172,
0.3991

 14.4094, 0.3145,
0.4776


 143.4146, 0.3171,
0.3934

 8.4060, 0.3110,
0.5104

178.8825, 0.3169,
0.3885

 4.3558, 0.3029,
0.5602

219.7632, 0.3168,
0.3844

 1.8745, 0.3049,
0.6951

266.4412, 0.3166,

 0.5330, 0.0000,

0.3807

1.0000

319.3007, 0.3165,
0.3775

0.0000, 0.0000,
0.0000

47.9834, 0.3172,
0.4245

47.9834, 0.3172,
0.4245

46.1379, 0.3176,
0.4580

50.1454, 0.3162,
0.3927

44.5881, 0.3173,
0.4918

52.6316, 0.3149,
0.3635

43.3202, 0.3162,
0.5240


55.4569, 0.3133,
0.3371

42.3164, 0.3141,
0.5522

58.6335, 0.3116,
0.3138

41.5575, 0.3112,
0.5744

62.1730, 0.3098,
0.2933

 41.0207, 0.3078,
0.5892

 66.0865, 0.3081,
0.2754

 40.7674, 0.3056,
0.5955

 68.8740, 0.3153,
0.2732

Harmonies

Analogous

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



47.9834, 0.3715, 0.4302



47.9834, 0.3172, 0.4245



47.9834, 0.2644, 0.3841

Triad

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



47.9834, 0.3172, 0.4245



47.9834, 0.2197, 0.2475



47.9834, 0.4057, 0.3210

Complementary

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



47.9834, 0.3172, 0.4245



31.0213, 0.3045, 0.2441

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.



47.9834, 0.3578, 0.2813



47.9834, 0.3172, 0.4245



47.9834, 0.2505, 0.2401

Square

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



47.9834, 0.3172, 0.4245



47.9834, 0.2114, 0.2770



47.9834, 0.2999, 0.2525



47.9834, 0.4257, 0.3651

Rectangle

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



47.9834, 0.3172, 0.4245



47.9834, 0.2370, 0.3461



47.9834, 0.2999, 0.2525



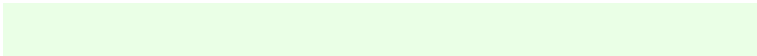
47.9834, 0.3921, 0.3069

Sweetspot

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



47.9854, 0.3172, 0.4245



94.7186, 0.3144, 0.3547



48.7523, 0.3670, 0.3976



20.1256, 0.3146, 0.3586



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.



47.9854, 0.3172, 0.4245



82.5337, 0.3176, 0.4487



47.5951, 0.2943, 0.3951



11.9788, 0.3143, 0.3527



26.5354, 0.3062, 0.5950



1.2854, 0.3196, 0.5845

Inverse Universe

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



31.0213, 0.3045, 0.2441



47.9216, 0.3020, 0.2254



31.6855, 0.3379, 0.2711



10.7156, 0.3109, 0.3060



7.6874, 0.2758, 0.1293



0.3901, 0.2858, 0.1348

Previews

White Background



This preview shows how the Yxy color 47.9834, 0.3172, 0.4245 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 47.9834, 0.3172, 0.4245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

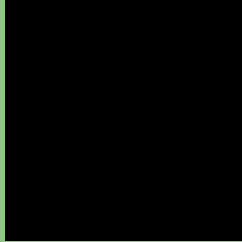
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.9834, 0.3172, 0.4245

Background



This preview shows how black text looks on a background with the Yxy color 47.9834, 0.3172, 0.4245.



This preview shows how white text looks on a background with the Yxy color 47.9834, 0.3172, 0.4245.

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

47.9834, 0.3172, 0.4245

Protanopia

47.3791, 0.3730, 0.4017

Deuteranopia

47.4557, 0.3835, 0.3764



Tritanopia

47.8227, 0.2767, 0.3091

Trichromacy



Original Color

47.9834, 0.3172, 0.4245

Protanomaly

46.9899, 0.3511, 0.4100

Deuteranomaly

46.9774, 0.3578, 0.3932

Tritanomaly

47.5890, 0.2916, 0.3483

Monochromacy



Original Color

47.9834, 0.3172, 0.4245

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.1567, 0.3145, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9834, 0.3172, 0.4245 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(144, 198, 132)` looks like.

```
.text, #text, p{  
    color:rgb(144, 198, 132)  
}
```

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(144, 198, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 198, 132) }
```

Border

The CSS property to change the border of an element to Yxy 47.9834, 0.3172, 0.4245 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(144, 198, 132) }
```

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

```
.border{ border-color:rgb(144, 198, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 198, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 198, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 198, 132);  
box-shadow:4px 4px 4px 4px rgb(144, 198,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9834, 0.3172, 0.4245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 198, 132) }
```

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

```
.background{ background-color: rgb(144,  
198, 132) }
```

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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