

Converting Colors

$Yxy(47.3696, 0.3249, 0.4190)$

Have a look what the booklet for
Yxy(47.3696, 0.3249, 0.4190)
contains.

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Color

Yxy(47.4685, 0.3248, 0.4188)

Conversions

Conversions Part 1

Format	Color
Hex	99C384
RGB	153, 195, 132
RGB Percent	60%, 76%, 52%
CMY	0.4001, 0.2353, 0.4822
CMYK	0.22, 0.00, 0.32, 0.24
HSL	100°, 34%, 64%
HSV	100°, 32%, 76%
XYZ	36.8142, 47.4685, 29.0614
YIQ	175.2600, -4.8090, -28.4970

Conversions

Conversions Part 2

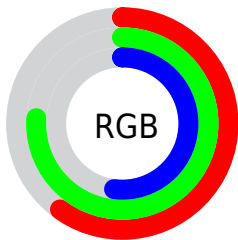
Format	Color
RYB	132, 195, 174
Decimal	10077060
CIELab	74.49, -25.57, 27.24
CIELCh	74, 37.361, 133.180
Yxy	47.4685, 0.3248, 0.4188
Android (android.graphics.Color)	4288267140 (0xFF99C384)
YUV	175.2600, -21.3272, -19.5220
Hunter-Lab	68.8974, -25.1920, 23.2192

Details

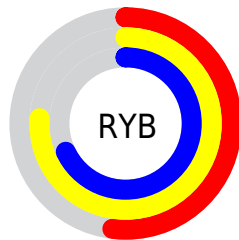
The Yxy color **47.4685, 0.3248, 0.4188** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.4572, 0.2953, 0.2445**, and the grayscale version is **43.1252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5759, 0.3230, 0.4013**, and **22.4257, 0.3264, 0.4460** is the 20% darker color. If you saturate the color by 10%, you get **45.7875, 0.3274, 0.4505**, and if you desaturate by 10%, it is **49.3916, 0.3214, 0.3885**.

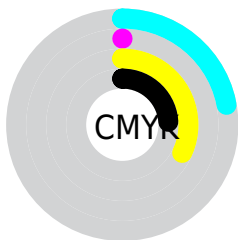
Distribution



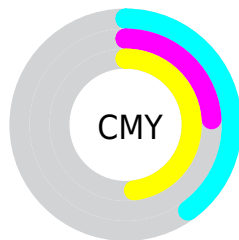
- Red (60%)
- Green (76%)
- Blue (52%)



- Red (52%)
- Yellow (76%)
- Blue (68%)



- Cyan (22%)
- Magenta (0%)
- Yellow (32%)
- Black (24%)




- Cyan (40%)
- Magenta (24%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4685, 0.3248, 0.4188 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 47.4685, 0.3248, 0.4188 by changing the saturation by 10% instead.


 47.4685, 0.3248,
0.4188


 47.4685, 0.3248,
0.4188


376.6815, 0.3200,
0.3722

 33.4062, 0.3255,
0.4309


 86.4125, 0.3234,
0.4015

 22.4378, 0.3262,
0.4467


 112.0630, 0.3227,
0.3951

 14.1789, 0.3264,
0.4681


 142.3450, 0.3222,
0.3897

 8.2452, 0.3256,
0.4984

177.6429, 0.3216,
0.3852

 4.2523, 0.3216,
0.5441

218.3411, 0.3212,
0.3812

 1.8157, 0.3318,
0.6682

264.8240, 0.3207,

 0.4969, 0.0000,

0.3778

1.0000

317.4760, 0.3204,
0.3748

0.0000, 0.0000,
0.0000

47.4685, 0.3248,
0.4188

47.4685, 0.3248,
0.4188

45.7875, 0.3274,
0.4505

49.3916, 0.3214,
0.3885

44.3324, 0.3290,
0.4824

51.5600, 0.3176,
0.3603

43.0945, 0.3293,
0.5129


53.9845, 0.3136,
0.3345

42.0621, 0.3280,
0.5402


56.6735, 0.3096,
0.3114


41.2221, 0.3251,
0.5623


59.6350, 0.3056,
0.2909

 40.5596, 0.3207,
0.5782

 62.8766, 0.3018,
0.2727

 40.1529, 0.3168,
0.5866

 65.5029, 0.3074,
0.2688

 67.5143, 0.3155,
0.2703

Harmonies

Analogous

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



47.4685, 0.3737, 0.4201



47.4685, 0.3248, 0.4188



47.4685, 0.2750, 0.3861

Triad

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



47.4685, 0.3248, 0.4188



47.4685, 0.2242, 0.2567



47.4685, 0.3928, 0.3163

Complementary

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



47.4685, 0.3248, 0.4188



29.4572, 0.2953, 0.2445

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.



47.4685, 0.3466, 0.2803



47.4685, 0.3248, 0.4188



47.4685, 0.2500, 0.2465

Square

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



47.4685, 0.3248, 0.4188



47.4685, 0.2197, 0.2872



47.4685, 0.2937, 0.2555



47.4685, 0.4156, 0.3571

Rectangle

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



47.4685, 0.3248, 0.4188



47.4685, 0.2479, 0.3526



47.4685, 0.2937, 0.2555



47.4685, 0.3793, 0.3034

Sweetspot

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



47.4705, 0.3248, 0.4188



93.2255, 0.3168, 0.3545



43.5482, 0.3687, 0.3840



20.2844, 0.3174, 0.3583



0.0000, 0.0000, 0.0000



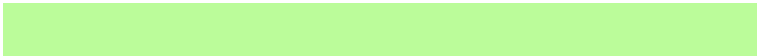
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4705, 0.3248, 0.4188



82.7678, 0.3268, 0.4419



45.9110, 0.3012, 0.4072



11.4179, 0.3165, 0.3524



26.1359, 0.3178, 0.5859



1.1674, 0.3360, 0.5714

Inverse Universe

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



29.4572, 0.2953, 0.2445



45.3369, 0.2901, 0.2243



31.5959, 0.3270, 0.2617



10.0743, 0.3086, 0.3059



5.7010, 0.2394, 0.1092



0.2827, 0.2580, 0.1195

Previews

White Background



This preview shows how the Yxy color 47.4685, 0.3248, 0.4188 looks on a white background.

Color Contrast Check

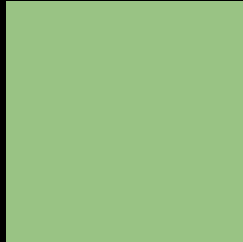
Large Text (above 18pt) WCAG AA × Fail

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 47.4685, 0.3248, 0.4188 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 47.4685, 0.3248, 0.4188

Background



This preview shows how black text looks on a background with the Yxy color 47.4685, 0.3248, 0.4188.



This preview shows how white text looks on a background with the Yxy color 47.4685, 0.3248, 0.4188.

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

47.4685, 0.3248, 0.4188

Protanopia

47.2696, 0.3712, 0.4007

Deuteranopia

47.0364, 0.3848, 0.3764



Tritanopia

47.2274, 0.2842, 0.3092

Trichromacy



Original Color

47.4685, 0.3248, 0.4188

Protanomaly

46.9494, 0.3534, 0.4068

Deuteranomaly

46.5426, 0.3613, 0.3902

Tritanomaly

47.0034, 0.2990, 0.3468

Monochromacy



Original Color

47.4685, 0.3248, 0.4188

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.1746, 0.3181, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4685, 0.3248, 0.4188 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(153, 195, 132)` looks like.

```
.text, #text, p{  
    color:rgb(153, 195, 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(153, 195, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 195, 132) }
```

Border

The CSS property to change the border of an element to Yxy 47.4685, 0.3248, 0.4188 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(153, 195, 132) }
```

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

```
.border{ border-color:rgb(153, 195, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 195, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 195, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 195, 132);  
box-shadow:4px 4px 4px 4px rgb(153, 195,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4685, 0.3248, 0.4188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 195, 132) }
```

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

```
.background{ background-color: rgb(153,  
195, 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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