

Converting Colors

$Yxy(49.4153, 0.3285, 0.4075)$

Have a look what the booklet for
Yxy(49.4153, 0.3285, 0.4075)
contains.

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Color

Yxy(49.2364, 0.3288, 0.4076)

Conversions

Conversions Part 1

Format	Color
Hex	A4C48B
RGB	164, 196, 139
RGB Percent	64%, 77%, 55%
CMY	0.3567, 0.2314, 0.4548
CMYK	0.16, 0.00, 0.29, 0.23
HSL	94°, 33%, 66%
HSV	94°, 29%, 77%
XYZ	39.7177, 49.2364, 31.8418
YIQ	179.9340, -0.7750, -24.5110

Conversions

Conversions Part 2

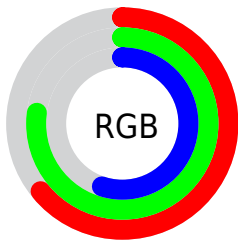
Format	Color
RYB	139, 196, 171
Decimal	10798219
CIELab	75.60, -21.01, 25.18
CIELCh	76, 32.790, 129.845
Yxy	49.2364, 0.3288, 0.4076
Android (android.graphics.Color)	4288988299 (0xFFA4C48B)
YUV	179.9340, -20.1805, -13.9741
Hunter-Lab	70.1687, -21.7585, 22.2129

Details

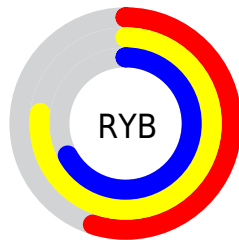
The Yxy color **49.2364, 0.3288, 0.4076** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.1089, 0.2916, 0.2521**, and the grayscale version is **45.7209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3165, 0.3266, 0.3928**, and **23.4301, 0.3318, 0.4321** is the 20% darker color. If you saturate the color by 10%, you get **47.5963, 0.3334, 0.4379**, and if you desaturate by 10%, it is **51.0845, 0.3235, 0.3786**.

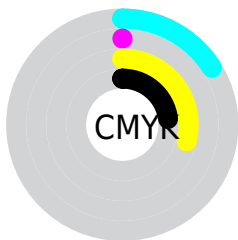
Distribution



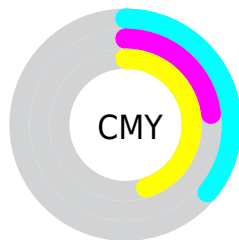
- Red (64%)
- Green (77%)
- Blue (55%)



- Red (55%)
- Yellow (77%)
- Blue (67%)



- Cyan (16%)
- Magenta (0%)
- Yellow (29%)
- Black (23%)



- Cyan (36%)
- Magenta (23%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2364, 0.3288, 0.4076 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 49.2364, 0.3288, 0.4076 by changing the saturation by 10% instead.


 49.2364, 0.3288,
0.4076


 49.2364, 0.3288,
0.4076


383.6722, 0.3217,
0.3673

 34.8070, 0.3302,
0.4179


 89.0425, 0.3265,
0.3927

 23.5143, 0.3318,
0.4313


 115.1880, 0.3255,
0.3872

 14.9737, 0.3335,
0.4493


 146.0076, 0.3247,
0.3826

 8.8009, 0.3349,
0.4746

181.8858, 0.3240,
0.3786

 4.6116, 0.3351,
0.5124

223.2070, 0.3233,
0.3752

 2.0212, 0.3518,
0.6118

270.3555, 0.3227,

 0.6198, 0.1095,

0.3722

0.8905

323.7158, 0.3222,
0.3696

0.0000, 0.0000,
0.0000

49.2364, 0.3288,
0.4076

49.2364, 0.3288,
0.4076

47.5963, 0.3334,
0.4379

51.0845, 0.3235,
0.3786

46.1499, 0.3370,
0.4685

53.1418, 0.3179,
0.3516

44.8905, 0.3391,
0.4980


55.4175, 0.3122,
0.3268


43.8088, 0.3394,
0.5249


57.9183, 0.3065,
0.3044

42.8943, 0.3377,
0.5476


60.6507, 0.3011,
0.2843


 42.1351, 0.3341,
0.5647

 63.5167, 0.2970,
0.2679

 41.5126, 0.3289,
0.5764

 65.3924, 0.3050,
0.2694

 41.4597, 0.3285,
0.5774

 67.3848, 0.3132,
0.2708

 67.9566, 0.3154,
0.2712

Harmonies

Analogous

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



49.2364, 0.3704, 0.4067



49.2364, 0.3288, 0.4076



49.2364, 0.2847, 0.3822

Triad

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



49.2364, 0.3288, 0.4076



49.2364, 0.2336, 0.2682



49.2364, 0.3784, 0.3144

Complementary

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



49.2364, 0.3288, 0.4076



31.1089, 0.2916, 0.2521

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.



49.2364, 0.3373, 0.2833



49.2364, 0.3288, 0.4076



49.2364, 0.2546, 0.2568

Square

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



49.2364, 0.3288, 0.4076



49.2364, 0.2319, 0.2973



49.2364, 0.2916, 0.2626



49.2364, 0.4009, 0.3504

Rectangle

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



49.2364, 0.3288, 0.4076



49.2364, 0.2599, 0.3546



49.2364, 0.2916, 0.2626



49.2364, 0.3661, 0.3032

Sweetspot

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



49.2385, 0.3288, 0.4076



96.2496, 0.3179, 0.3518



42.4815, 0.3648, 0.3701



20.4783, 0.3188, 0.3556



0.0000, 0.0000, 0.0000



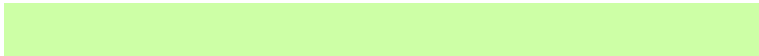
21.4041, 0.3127, 0.3290

Same Dimension

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



49.2385, 0.3288, 0.4076



87.2370, 0.3319, 0.4271



46.9159, 0.3069, 0.4083



11.4704, 0.3181, 0.3523



26.6911, 0.3295, 0.5766



1.1940, 0.3475, 0.5623

Inverse Universe

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



31.1089, 0.2916, 0.2521



48.9691, 0.2855, 0.2334



34.0614, 0.3188, 0.2608



10.0202, 0.3069, 0.3058



4.7384, 0.2156, 0.0962



0.2450, 0.2386, 0.1088

Previews

White Background



This preview shows how the Yxy color 49.2364, 0.3288, 0.4076 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 49.2364, 0.3288, 0.4076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

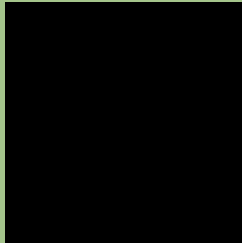
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2364, 0.3288, 0.4076

Background



This preview shows how black text looks on a background with the Yxy color 49.2364, 0.3288, 0.4076.



This preview shows how white text looks on a background with the Yxy color 49.2364, 0.3288, 0.4076.

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

49.2364, 0.3288, 0.4076

Protanopia

49.1184, 0.3671, 0.3948

Deuteranopia

48.7294, 0.3793, 0.3712



Tritanopia

49.2769, 0.2906, 0.3098

Trichromacy



Original Color

49.2364, 0.3288, 0.4076

Protanomaly

49.1693, 0.3524, 0.3997

Deuteranomaly

48.6567, 0.3591, 0.3838

Tritanomaly

49.1029, 0.3040, 0.3436

Monochromacy



Original Color

49.2364, 0.3288, 0.4076

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.8331, 0.3190, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2364, 0.3288, 0.4076 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(164, 196, 139)` looks like.

```
.text, #text, p{  
    color:rgb(164, 196, 139)  
}
```

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(164, 196, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 196, 139) }
```

Border

The CSS property to change the border of an element to Yxy 49.2364, 0.3288, 0.4076 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(164, 196, 139) }
```

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

```
.border{ border-color:rgb(164, 196, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 196, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 196, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 196, 139);  
box-shadow:4px 4px 4px 4px rgb(164, 196,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2364, 0.3288, 0.4076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 196, 139) }
```

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

```
.background{ background-color: rgb(164,  
196, 139) }
```

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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