

Converting Colors

$Y_{xy}(49.9783, 0.3205, 0.3782)$

Have a look what the booklet for
Yxy(49.9783, 0.3205, 0.3782)
contains.

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Color

Yxy(50.1568, 0.3208, 0.3787)

Conversions

Conversions Part 1

Format	Color
Hex	ABC39E
RGB	171, 195, 158
RGB Percent	67%, 76%, 62%
CMY	0.3293, 0.2353, 0.3803
CMYK	0.12, 0.00, 0.19, 0.24
HSL	99°, 24%, 69%
HSV	99°, 19%, 76%
XYZ	42.4883, 50.1568, 39.7996
YIQ	183.6060, -2.4270, -16.5950

Conversions

Conversions Part 2

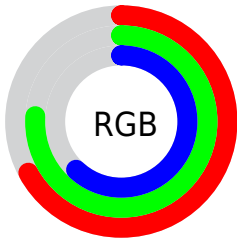
Format	Color
RYB	158, 195, 182
Decimal	11256734
CIELab	76.17, -14.96, 15.91
CIELCh	76, 21.833, 133.238
Yxy	50.1568, 0.3208, 0.3787
Android (android.graphics.Color)	4289446814 (0xFFABC39E)
YUV	183.6060, -12.6238, -11.0555
Hunter-Lab	70.8215, -16.8492, 16.2558

Details

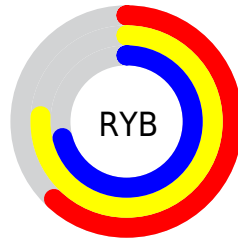
The Yxy color **50.1568, 0.3208, 0.3787** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.3448, 0.3029, 0.2808**, and the grayscale version is **47.7809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7558, 0.3196, 0.3695**, and **23.9628, 0.3215, 0.3921** is the 20% darker color. If you saturate the color by 10%, you get **48.1874, 0.3246, 0.4083**, and if you desaturate by 10%, it is **52.3728, 0.3166, 0.3514**.

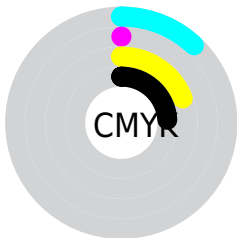
Distribution



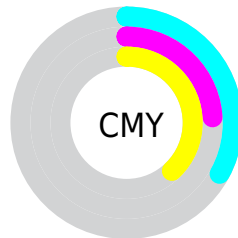
- Red (67%)
- Green (76%)
- Blue (62%)



- Red (62%)
- Yellow (76%)
- Blue (71%)



- Cyan (12%)
- Magenta (0%)
- Yellow (19%)
- Black (24%)




- Cyan (33%)
- Magenta (24%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1568, 0.3208, 0.3787 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 50.1568, 0.3208, 0.3787 by changing the saturation by 10% instead.

 50.1568, 0.3208,
0.3787

 50.1568, 0.3208,
0.3787


387.2788, 0.3172,
0.3535

 35.5380, 0.3216,
0.3851


 90.4072, 0.3196,
0.3695

 24.0776, 0.3225,
0.3934


 116.8075, 0.3191,
0.3660

 15.3912, 0.3236,
0.4045


147.9038, 0.3187,
0.3631

 9.0944, 0.3248,
0.4201

184.0805, 0.3183,
0.3606

 4.8028, 0.3260,
0.4437

225.7220, 0.3180,
0.3585

 2.1320, 0.3265,
0.4837

273.2126, 0.3177,

 0.6825, 0.2936,

0.3566

0.7064

326.9367, 0.3174,
0.3550

0.0000, 0.0000,
0.0000

50.1568, 0.3208,
0.3787

50.1568, 0.3208,
0.3787

48.1874, 0.3246,
0.4083

52.3728, 0.3166,
0.3514

46.4493, 0.3279,
0.4394

54.8372, 0.3123,
0.3265

44.9352, 0.3301,
0.4712

57.5601, 0.3079,
0.3043

43.6352, 0.3311,
0.5021

60.5490, 0.3037,
0.2845

42.5382, 0.3305,
0.5303

63.7775, 0.3001,
0.2674

■ 41.6322, 0.3282,
0.5542

■ 65.9960, 0.3094,
0.2691

■ 40.9035, 0.3243,
0.5721

■ 67.5077, 0.3155,
0.2703

■ 40.3319, 0.3192,
0.5840

■ 40.2792, 0.3187,
0.5851

Harmonies

Analogous

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



50.1568, 0.3489, 0.3813



50.1568, 0.3208, 0.3787



50.1568, 0.2915, 0.3607

Triad

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



50.1568, 0.3208, 0.3787



50.1568, 0.2601, 0.2871



50.1568, 0.3584, 0.3225

Complementary

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



50.1568, 0.3208, 0.3787



38.3448, 0.3029, 0.2808

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.



50.1568, 0.3327, 0.3001



50.1568, 0.3208, 0.3787



50.1568, 0.2761, 0.2798

Square

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



50.1568, 0.3208, 0.3787



50.1568, 0.2574, 0.3061



50.1568, 0.3024, 0.2848



50.1568, 0.3714, 0.3474

Rectangle

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



50.1568, 0.3208, 0.3787



50.1568, 0.2751, 0.3428



50.1568, 0.3024, 0.2848



50.1568, 0.3509, 0.3145

Sweetspot

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



50.1590, 0.3208, 0.3787



95.0255, 0.3154, 0.3440



47.2972, 0.3439, 0.3592



20.7468, 0.3157, 0.3457



0.0000, 0.0000, 0.0000



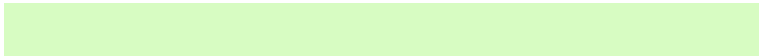
21.4041, 0.3127, 0.3290

Same Dimension

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



50.1590, 0.3208, 0.3787



88.2361, 0.3225, 0.3915



48.9419, 0.3068, 0.3733



11.4274, 0.3168, 0.3524



26.2239, 0.3197, 0.5844



1.1718, 0.3380, 0.5698

Inverse Universe

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



38.3448, 0.3029, 0.2808



62.9712, 0.3002, 0.2689



39.7838, 0.3193, 0.2884



10.0645, 0.3083, 0.3059



5.5107, 0.2349, 0.1068



0.2754, 0.2544, 0.1175

Previews

White Background



This preview shows how the Yxy color 50.1568, 0.3208, 0.3787 looks on a white background.

Color Contrast Check

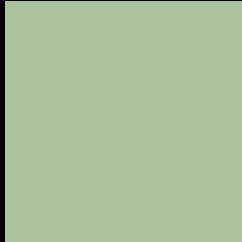
Large Text (above 18pt) WCAG AA × Fail

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 50.1568, 0.3208, 0.3787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

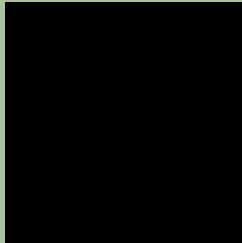
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1568, 0.3208, 0.3787

Background



This preview shows how black text looks on a background with the Yxy color 50.1568, 0.3208, 0.3787.



This preview shows how white text looks on a background with the Yxy color 50.1568, 0.3208, 0.3787.

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

50.1568, 0.3208, 0.3787

Protanopia

49.8795, 0.3486, 0.3709

Deuteranopia

49.6628, 0.3600, 0.3520



Tritanopia

50.2198, 0.2930, 0.3100

Trichromacy



Original Color

50.1568, 0.3208, 0.3787

Protanomaly

49.8848, 0.3383, 0.3745

Deuteranomaly

49.3781, 0.3451, 0.3606

Tritanomaly

49.9634, 0.3028, 0.3342

Monochromacy



Original Color

50.1568, 0.3208, 0.3787

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.6453, 0.3152, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1568, 0.3208, 0.3787 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(171, 195, 158)` looks like.

```
.text, #text, p{  
    color:rgb(171, 195, 158)  
}
```

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(171, 195, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 195, 158) }
```

Border

The CSS property to change the border of an element to Yxy 50.1568, 0.3208, 0.3787 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(171, 195, 158) }
```

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

```
.border{ border-color:rgb(171, 195, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 195, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 195, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 195, 158);  
box-shadow:4px 4px 4px 4px rgb(171, 195,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1568, 0.3208, 0.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 195, 158) }
```

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

```
.background{ background-color: rgb(171,  
195, 158) }
```

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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