

Converting Colors

$Yxy(52.3219, 0.3202, 0.3866)$

Have a look what the booklet for
Yxy(52.3219, 0.3202, 0.3866)
contains.

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Color

Yxy(52.2889, 0.3201, 0.3864)

Conversions

Conversions Part 1

Format	Color
Hex	AAC89D
RGB	170, 200, 157
RGB Percent	67%, 78%, 62%
CMY	0.3334, 0.2157, 0.3842
CMYK	0.15, 0.00, 0.21, 0.22
HSL	102°, 28%, 70%
HSV	102°, 21%, 78%
XYZ	43.3170, 52.2889, 39.7174
YIQ	186.1280, -4.0770, -19.7330

Conversions

Conversions Part 2

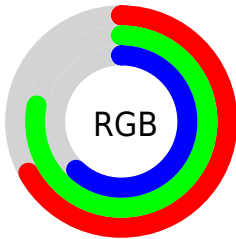
Format	Color
RYB	157, 200, 187
Decimal	11192477
CIELab	77.45, -18.04, 18.22
CIELCh	77, 25.642, 134.705
Yxy	52.2889, 0.3201, 0.3864
Android (android.graphics.Color)	4289382557 (0xFFAAC89D)
YUV	186.1280, -14.3601, -14.1443
Hunter-Lab	72.3111, -19.6163, 18.0523

Details

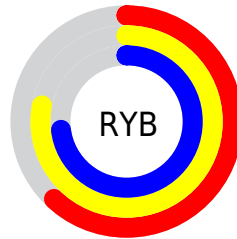
The Yxy color **52.2889, 0.3201, 0.3864** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.8620, 0.3033, 0.2742**, and the grayscale version is **49.2627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4422, 0.3193, 0.3736**, and **25.3803, 0.3206, 0.4024** is the 20% darker color. If you saturate the color by 10%, you get **50.1881, 0.3230, 0.4169**, and if you desaturate by 10%, it is **54.6715, 0.3168, 0.3582**.

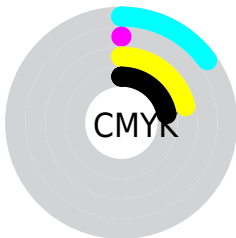
Distribution



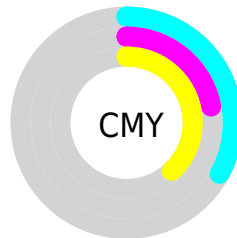
- Red (67%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (73%)



- Cyan (15%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)





- Cyan (33%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2889, 0.3201, 0.3864 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 52.2889, 0.3201, 0.3864 by changing the saturation by 10% instead.


 52.2889, 0.3201,
0.3864

 52.2889, 0.3201,
0.3864

395.5509, 0.3170,
0.3574

 37.2354, 0.3207,
0.3937


 93.5572, 0.3191,
0.3758

 25.3898, 0.3214,
0.4032


 120.5407, 0.3187,
0.3718

 16.3677, 0.3221,
0.4158


152.2698, 0.3183,
0.3685

 9.7847, 0.3227,
0.4336

189.1287, 0.3180,
0.3656

 5.2565, 0.3228,
0.4601

231.5018, 0.3177,
0.3631

 2.3985, 0.3211,
0.5044

279.7737, 0.3174,

 0.8251, 0.2942,

0.3610

0.7058

334.3286, 0.3172,
0.3591

0.0000, 0.0000,
0.0000

52.2889, 0.3201,
0.3864

52.2889, 0.3201,
0.3864

50.1881, 0.3230,
0.4169

54.6715, 0.3168,
0.3582

48.3516, 0.3253,
0.4489

57.3390, 0.3132,
0.3326

46.7706, 0.3265,
0.4813


60.3033, 0.3097,
0.3097


45.4327, 0.3266,
0.5125

63.5732, 0.3062,
0.2894

44.3248, 0.3251,
0.5404

67.0263, 0.3041,
0.2733

 43.4321, 0.3222,
0.5633

 69.5635, 0.3144,
0.2751

 42.7378, 0.3180,
0.5797

 69.7914, 0.3152,
0.2752

 42.2823, 0.3139,
0.5889

Harmonies

Analogous

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



52.2889, 0.3529, 0.3899



52.2889, 0.3201, 0.3864



52.2889, 0.2865, 0.3645

Triad

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



52.2889, 0.3201, 0.3864



52.2889, 0.2527, 0.2798



52.2889, 0.3669, 0.3227

Complementary

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



52.2889, 0.3201, 0.3864



38.8620, 0.3033, 0.2742

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.



52.2889, 0.3374, 0.2969



52.2889, 0.3201, 0.3864



52.2889, 0.2717, 0.2725

Square

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



52.2889, 0.3201, 0.3864



52.2889, 0.2488, 0.3008



52.2889, 0.3023, 0.2789



52.2889, 0.3811, 0.3511

Rectangle

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



52.2889, 0.3201, 0.3864



52.2889, 0.2681, 0.3433



52.2889, 0.3023, 0.2789



52.2889, 0.3584, 0.3135

Sweetspot

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



52.2912, 0.3201, 0.3864



97.0829, 0.3149, 0.3440



49.9996, 0.3481, 0.3660



20.7142, 0.3151, 0.3457



0.0000, 0.0000, 0.0000



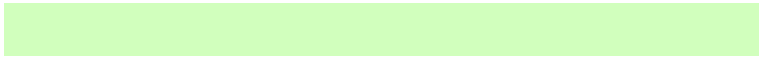
21.4041, 0.3127, 0.3290

Same Dimension

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



52.2912, 0.3201, 0.3864



88.6924, 0.3216, 0.4010



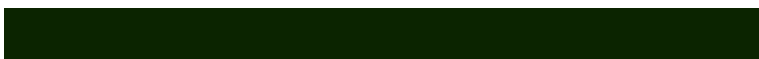
51.1948, 0.3045, 0.3770



12.0404, 0.3160, 0.3526



26.9241, 0.3148, 0.5882



1.3132, 0.3314, 0.5751

Inverse Universe

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



38.8620, 0.3033, 0.2742



61.1487, 0.3007, 0.2610



40.2132, 0.3222, 0.2853



10.6499, 0.3090, 0.3059



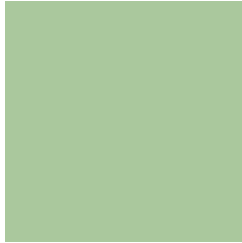
6.2272, 0.2465, 0.1132



0.3314, 0.2626, 0.1220

Previews

White Background



This preview shows how the Yxy color 52.2889, 0.3201, 0.3864 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 52.2889, 0.3201, 0.3864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

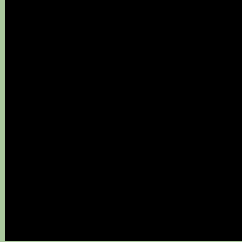
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

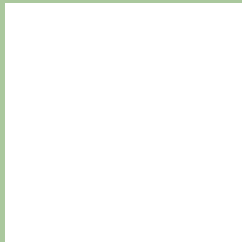
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2889, 0.3201, 0.3864

Background



This preview shows how black text looks on a background with the Yxy color 52.2889, 0.3201, 0.3864.



This preview shows how white text looks on a background with the Yxy color 52.2889, 0.3201, 0.3864.

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

52.2889, 0.3201, 0.3864

Protanopia

52.2580, 0.3528, 0.3762

Deuteranopia

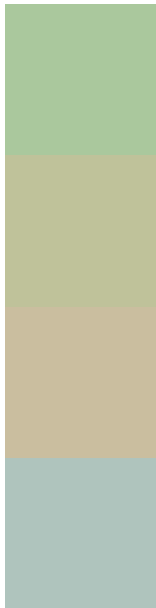
52.0347, 0.3642, 0.3575



Tritanopia

52.1590, 0.2903, 0.3102

Trichromacy



Original Color

52.2889, 0.3201, 0.3864

Protanomaly

51.9930, 0.3408, 0.3802

Deuteranomaly

51.8867, 0.3474, 0.3676

Tritanomaly

52.2679, 0.3014, 0.3380

Monochromacy



Original Color

52.2889, 0.3201, 0.3864

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.0600, 0.3158, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2889, 0.3201, 0.3864 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(170, 200, 157)` looks like.

```
.text, #text, p{  
    color:rgb(170, 200, 157)  
}
```

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(170, 200, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 200, 157) }
```

Border

The CSS property to change the border of an element to Yxy 52.2889, 0.3201, 0.3864 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(170, 200, 157) }
```

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

```
.border{ border-color:rgb(170, 200, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 200, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 200, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 200, 157);  
box-shadow:4px 4px 4px 4px rgb(170, 200,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2889, 0.3201, 0.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 200, 157) }
```

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

```
.background{ background-color: rgb(170,  
200, 157) }
```

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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