

Converting Colors

$Y_{xy}(49.8589, 0.3177, 0.3120)$

Have a look what the booklet for
Yxy(49.8589, 0.3177, 0.3120)
contains.

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Color

Yxy(49.8589, 0.3177, 0.3120)

Conversions

Conversions Part 1

Format	Color
Hex	C9B6C4
RGB	201, 182, 196
RGB Percent	79%, 71%, 77%
CMY	0.2120, 0.2862, 0.2313
CMYK	0.00, 0.09, 0.02, 0.21
HSL	316°, 15%, 75%
HSV	316°, 9%, 79%
XYZ	50.7698, 49.8589, 59.1755
YIQ	189.2770, 6.8300, 8.3820

Conversions

Conversions Part 2

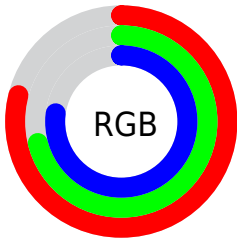
Format	Color
R _Y B	201, 182, 196
Decimal	13219524
CIE Lab	75.98, 9.21, -4.62
CIE LCh	76, 10.307, 333.348
Yxy	49.8589, 0.3177, 0.3120
Android (android.graphics.Color)	4291409604 (0xFFC9B6C4)
YUV	189.2770, 3.3144, 10.2811
Hunter-Lab	70.6108, 4.7740, -0.2605

Details

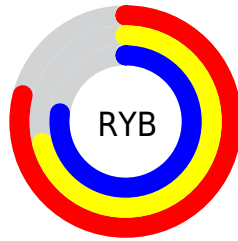
The Yxy color $49.8589, 0.3177, 0.3120$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $55.2849, 0.3081, 0.3466$, and the grayscale version is $51.0317, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.5009, 0.3147, 0.3146$, and $23.8566, 0.3195, 0.3078$ is the 20% darker color. If you saturate the color by 10%, you get $41.9762, 0.3239, 0.2932$, and if you desaturate by 10%, it is $58.9355, 0.3124, 0.3300$.

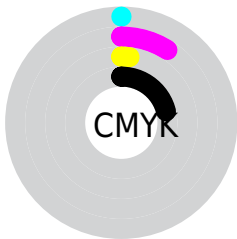
Distribution



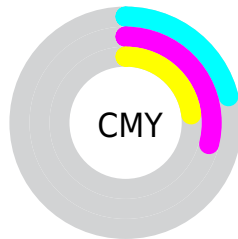
- Red (79%)
- Green (71%)
- Blue (77%)



- Red (79%)
- Yellow (71%)
- Blue (77%)



- Cyan (0%)
- Magenta (9%)
- Yellow (2%)
- Black (21%)





- Cyan (21%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8589, 0.3177, 0.3120 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 49.8589, 0.3177, 0.3120 by changing the saturation by 10% instead.


 49.8589, 0.3177,
0.3120

 49.8589, 0.3177,
0.3120


386.1139, 0.3153,
0.3203

 35.3013, 0.3183,
0.3100


 89.9658, 0.3168,
0.3150

 23.8951, 0.3190,
0.3074


116.2838, 0.3165,
0.3161

 15.2558, 0.3200,
0.3041


147.2909, 0.3162,
0.3171

 8.9991, 0.3213,
0.2995

183.3712, 0.3160,
0.3179

 4.7406, 0.3231,
0.2929

224.9093, 0.3158,
0.3186

 2.0959, 0.3260,
0.2825

272.2895, 0.3156,

 0.6623, 0.3333,

0.3192

0.2584

325.8962, 0.3154,
0.3198

■ 0.0000, 0.0000,
0.0000

■ 49.8589, 0.3177,
0.3120

■ 49.8589, 0.3177,
0.3120

■ 41.9762, 0.3239,
0.2932

■ 58.9355, 0.3124,
0.3300

■ 35.2306, 0.3310,
0.2742

■ 69.2465, 0.3080,
0.3470

■ 29.5707, 0.3391,
0.2554

■ 80.8388, 0.3042,
0.3629

■ 24.9384, 0.3482,
0.2377

■ 88.9409, 0.3011,
0.3701

■ 21.2701, 0.3581,
0.2221

■ 89.2185, 0.2983,
0.3643

■ 18.4953, 0.3685,
0.2096

■ 89.5048, 0.2954,
0.3584

■ 16.5335, 0.3793,
0.2012

■ 89.8000, 0.2926,
0.3527

■ 15.2901, 0.3899,
0.1975

■ 90.1042, 0.2898,
0.3470

■ 14.5984, 0.4002,
0.1981

■ 90.4173, 0.2871,
0.3413

Harmonies

Analogous

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



49.8589, 0.3035, 0.3060



49.8589, 0.3177, 0.3120



49.8589, 0.3308, 0.3223

Triad

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



49.8589, 0.3177, 0.3120



49.8589, 0.3336, 0.3525



49.8589, 0.2871, 0.3226

Complementary

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



49.8589, 0.3177, 0.3120



55.2849, 0.3081, 0.3466

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.



49.8589, 0.2948, 0.3356



49.8589, 0.3177, 0.3120



49.8589, 0.3215, 0.3532

Square

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



49.8589, 0.3177, 0.3120



49.8589, 0.3400, 0.3455



49.8589, 0.3073, 0.3470



49.8589, 0.2861, 0.3118

Rectangle

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



49.8589, 0.3177, 0.3120



49.8589, 0.3370, 0.3304



49.8589, 0.3073, 0.3470



49.8589, 0.2890, 0.3269

Sweetspot

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



49.8611, 0.3177, 0.3120



95.0877, 0.3142, 0.3236



48.2129, 0.3020, 0.3053



20.0787, 0.3147, 0.3221



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.



49.8611, 0.3177, 0.3120



82.9278, 0.3187, 0.3088



49.4526, 0.3252, 0.3232



10.7675, 0.3177, 0.3121



9.1775, 0.3994, 0.1974



0.4460, 0.3796, 0.1865

Inverse Universe

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



49.8611, 0.3177, 0.3120



82.9278, 0.3187, 0.3088



55.6940, 0.3016, 0.3349



10.7675, 0.3177, 0.3121



9.1775, 0.3994, 0.1974



0.4460, 0.3796, 0.1865

Previews

White Background



This preview shows how the Yxy color 49.8589, 0.3177, 0.3120 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 49.8589, 0.3177, 0.3120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

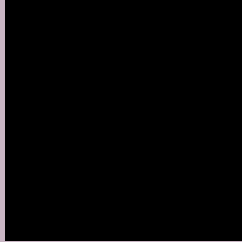
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8589, 0.3177, 0.3120

Background



This preview shows how black text looks on a background with the Yxy color 49.8589, 0.3177, 0.3120.



This preview shows how white text looks on a background with the Yxy color 49.8589, 0.3177, 0.3120.

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

49.8589, 0.3177, 0.3120

Protanopia

49.8061, 0.3037, 0.3127

Deuteranopia

49.9980, 0.3186, 0.3120



Tritanopia

49.8589, 0.3177, 0.3120

Trichromacy



Original Color

49.8589, 0.3177, 0.3120

Protanomaly

49.9816, 0.3085, 0.3129

Deuteranomaly

49.9980, 0.3186, 0.3120

Tritanomaly

49.8589, 0.3177, 0.3120

Monochromacy



Original Color

49.8589, 0.3177, 0.3120

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.2610, 0.3139, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8589, 0.3177, 0.3120 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(201, 182, 196)` looks like.

```
.text, #text, p{  
    color:rgb(201, 182, 196)  
}
```

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(201, 182, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 182, 196) }
```

Border

The CSS property to change the border of an element to Yxy 49.8589, 0.3177, 0.3120 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(201, 182, 196) }
```

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

```
.border{ border-color:rgb(201, 182, 196) }
```

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

Here you see how a box with a 4 pixel rgb(201, 182, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 182, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 182, 196);  
box-shadow:4px 4px 4px 4px rgb(201, 182,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8589, 0.3177, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 182, 196) }
```

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

```
.background{ background-color: rgb(201,  
182, 196) }
```

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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