

Converting Colors

$Y_{xy}(49.7270, 0.3229, 0.3182)$

Have a look what the booklet for
Yxy(49.7270, 0.3229, 0.3182)
contains.

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Color

Yxy(49.7740, 0.3226, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	CAB6BF
RGB	202, 182, 191
RGB Percent	79%, 71%, 75%
CMY	0.2078, 0.2863, 0.2509
CMYK	0.00, 0.10, 0.05, 0.21
HSL	333°, 16%, 75%
HSV	333°, 10%, 79%
XYZ	50.4940, 49.7740, 56.2540
YIQ	189.0060, 9.0310, 7.0390

Conversions

Conversions Part 2

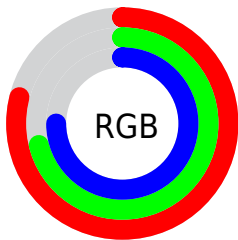
Format	Color
R _Y B	202, 182, 191
Decimal	13285055
CIE Lab	75.93, 8.70, -1.98
CIE LCh	76, 8.924, 347.167
Yxy	49.7740, 0.3226, 0.3180
Android (android.graphics.Color)	4291475135 (0xFFCAB6BF)
YUV	189.0060, 0.9830, 11.3957
Hunter-Lab	70.5507, 4.2909, 2.1103

Details

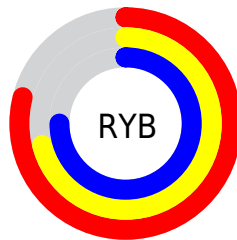
The Yxy color $49.7740, 0.3226, 0.3180$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $56.0409, 0.3038, 0.3403$, and the grayscale version is $50.8856, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.1245, 0.3184, 0.3203$, and $23.8314, 0.3251, 0.3143$ is the 20% darker color. If you saturate the color by 10%, you get $41.6205, 0.3347, 0.3063$, and if you desaturate by 10%, it is $59.1624, 0.3126, 0.3291$.

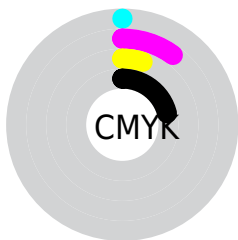
Distribution



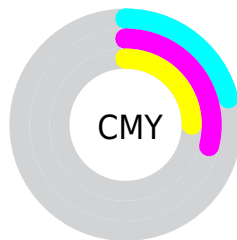
- Red (79%)
- Green (71%)
- Blue (75%)



- Red (79%)
- Yellow (71%)
- Blue (75%)



- Cyan (0%)
- Magenta (10%)
- Yellow (5%)
- Black (21%)



- Cyan (21%)
- Magenta (29%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7740, 0.3226, 0.3180 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 49.7740, 0.3226, 0.3180 by changing the saturation by 10% instead.

 49.7740, 0.3226,
0.3180

 49.7740, 0.3226,
0.3180


385.7815, 0.3177,
0.3234

 35.2339, 0.3238,
0.3167


 89.8399, 0.3208,
0.3199

 23.8431, 0.3253,
0.3150


116.1345, 0.3202,
0.3207

 15.2173, 0.3273,
0.3128


147.1160, 0.3196,
0.3213

 8.9720, 0.3301,
0.3097

183.1689, 0.3191,
0.3218

 4.7229, 0.3342,
0.3053

224.6775, 0.3187,
0.3223

 2.0856, 0.3407,
0.2982

272.0262, 0.3184,

 0.6565, 0.3565,

0.3227

0.2798

325.5994, 0.3180,
0.3231

0.0000, 0.0000,
0.0000

49.7740, 0.3226,
0.3180

49.7740, 0.3226,
0.3180

41.6205, 0.3347,
0.3063

59.1624, 0.3126,
0.3291

34.6436, 0.3492,
0.2942

69.8277, 0.3044,
0.3394

28.7901, 0.3666,
0.2822

81.8181, 0.2977,
0.3490

24.0003, 0.3869,
0.2709

90.0974, 0.2918,
0.3498

20.2086, 0.4103,
0.2614

90.7595, 0.2860,
0.3379

■ 17.3423, 0.4362,
0.2548

■ 91.2983, 0.2816,
0.3289

■ 15.3184, 0.4637,
0.2524

■ 14.0391, 0.4913,
0.2551

■ 13.3227, 0.5176,
0.2626

Harmonies

Analogous

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



49.7740, 0.3103, 0.3108



49.7740, 0.3226, 0.3180



49.7740, 0.3323, 0.3280

Triad

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



49.7740, 0.3226, 0.3180



49.7740, 0.3264, 0.3504



49.7740, 0.2893, 0.3188

Complementary

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



49.7740, 0.3226, 0.3180



56.0409, 0.3038, 0.3403

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.



49.7740, 0.2934, 0.3295



49.7740, 0.3226, 0.3180



49.7740, 0.3147, 0.3481

Square

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



49.7740, 0.3226, 0.3180



49.7740, 0.3345, 0.3467



49.7740, 0.3027, 0.3404



49.7740, 0.2913, 0.3111

Rectangle

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



49.7740, 0.3226, 0.3180



49.7740, 0.3360, 0.3351



49.7740, 0.3027, 0.3404



49.7740, 0.2900, 0.3222

Sweetspot

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



49.7762, 0.3226, 0.3180



94.9484, 0.3156, 0.3257



49.0142, 0.3061, 0.3043



20.0411, 0.3163, 0.3248



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.



49.7762, 0.3226, 0.3180



80.9721, 0.3251, 0.3154



49.6644, 0.3299, 0.3299



11.2965, 0.3220, 0.3186



8.5855, 0.5146, 0.2609



0.4581, 0.4672, 0.2347

Inverse Universe

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



49.7762, 0.3226, 0.3180



80.9721, 0.3251, 0.3154



56.1441, 0.2976, 0.3281



11.2965, 0.3220, 0.3186



8.5855, 0.5146, 0.2609



0.4581, 0.4672, 0.2347

Previews

White Background



This preview shows how the Yxy color 49.7740, 0.3226, 0.3180 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 49.7740, 0.3226, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

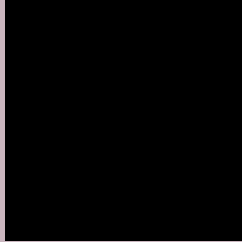
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

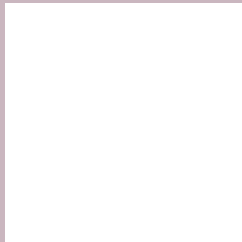
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7740, 0.3226, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 49.7740, 0.3226, 0.3180.



This preview shows how white text looks on a background with the Yxy color 49.7740, 0.3226, 0.3180.

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

49.7740, 0.3226, 0.3180

Protanopia

49.8317, 0.3091, 0.3190

Deuteranopia

49.6467, 0.3244, 0.3169



Tritanopia

49.7298, 0.3195, 0.3109

Trichromacy



Original Color

49.7740, 0.3226, 0.3180

Protanomaly

50.0175, 0.3140, 0.3191

Deuteranomaly

49.5058, 0.3236, 0.3169

Tritanomaly

49.6393, 0.3211, 0.3132

Monochromacy



Original Color

49.7740, 0.3226, 0.3180

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.3049, 0.3163, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7740, 0.3226, 0.3180 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(202, 182, 191)` looks like.

```
.text, #text, p{  
    color:rgb(202, 182, 191)  
}
```

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(202, 182, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 182, 191) }
```

Border

The CSS property to change the border of an element to Yxy 49.7740, 0.3226, 0.3180 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(202, 182, 191) }
```

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

```
.border{ border-color:rgb(202, 182, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 182, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 182, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 182, 191);  
box-shadow:4px 4px 4px 4px rgb(202, 182,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7740, 0.3226, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 182, 191) }
```

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

```
.background{ background-color: rgb(202,  
182, 191) }
```

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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