

Converting Colors

$Y_{xy}(48.3259, 0.3208, 0.3073)$

Have a look what the booklet for
Yxy(48.3259, 0.3208, 0.3073)
contains.

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Color

Yxy(48.0809, 0.3207, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	CBB1C3
RGB	203, 177, 195
RGB Percent	80%, 69%, 76%
CMY	0.2038, 0.3059, 0.2352
CMYK	0.00, 0.13, 0.04, 0.20
HSL	318°, 20%, 75%
HSV	318°, 13%, 80%
XYZ	50.2102, 48.0809, 58.2732
YIQ	186.8260, 9.7180, 11.1100

Conversions

Conversions Part 2

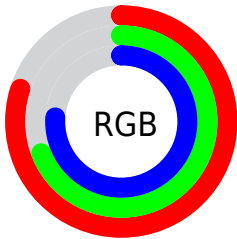
Format	Color
R _Y B	203, 177, 195
Decimal	13349315
CIE Lab	74.88, 12.49, -5.70
CIE LCh	75, 13.724, 335.471
Yxy	48.0809, 0.3207, 0.3071
Android (android.graphics.Color)	4291539395 (0xFFCBB1C3)
YUV	186.8260, 4.0298, 14.1846
Hunter-Lab	69.3404, 7.9082, -1.2887

Details

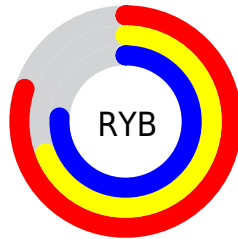
The Yxy color `48.0809, 0.3207, 0.3071` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `55.5796, 0.3055, 0.3519`, and the grayscale version is `49.5672, 0.3127, 0.3290`.

A 20% lighter version of the original color is `86.5661, 0.3156, 0.3106`, and `22.7280, 0.3236, 0.3013` is the 20% darker color. If you saturate the color by 10%, you get `40.3735, 0.3282, 0.2893`, and if you desaturate by 10%, it is `56.9976, 0.3143, 0.3243`.

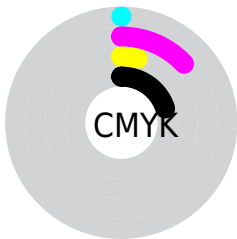
Distribution



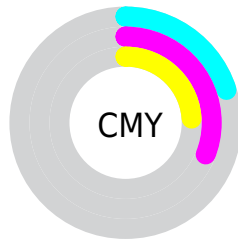
- Red (80%)
- Green (69%)
- Blue (76%)



- Red (80%)
- Yellow (69%)
- Blue (76%)



- Cyan (0%)
- Magenta (13%)
- Yellow (4%)
- Black (20%)





- Cyan (20%)
- Magenta (31%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0809, 0.3207, 0.3071 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 48.0809, 0.3207, 0.3071 by changing the saturation by 10% instead.


 48.0809, 0.3207,
0.3071

 48.0809, 0.3207,
0.3071


379.1127, 0.3168,
0.3178

 33.8910, 0.3216,
0.3045


 87.3248, 0.3193,
0.3109

 22.8098, 0.3228,
0.3012


113.1476, 0.3188,
0.3124

 14.4532, 0.3244,
0.2969


143.6168, 0.3183,
0.3136

 8.4365, 0.3265,
0.2909

179.1168, 0.3180,
0.3147

 4.3755, 0.3295,
0.2823

220.0320, 0.3176,
0.3156

 1.8858, 0.3343,
0.2687

266.7468, 0.3173,

 0.5398, 0.3489,

0.3165

0.2303

319.6456, 0.3171,
0.3172

0.0000, 0.0000,
0.0000

48.0809, 0.3207,
0.3071

48.0809, 0.3207,
0.3071

40.3735, 0.3282,
0.2893

56.9976, 0.3143,
0.3243

33.8166, 0.3369,
0.2713

67.1668, 0.3090,
0.3406

28.3555, 0.3468,
0.2537

78.6371, 0.3045,
0.3558

23.9290, 0.3579,
0.2375

89.3908, 0.3007,
0.3666

20.4695, 0.3701,
0.2237

89.7285, 0.2973,
0.3597

■ 17.9016, 0.3830,
0.2133

■ 90.0786, 0.2939,
0.3528

■ 16.1384, 0.3962,
0.2073

■ 90.4414, 0.2906,
0.3461

■ 15.0755, 0.4092,
0.2062

■ 90.8170, 0.2873,
0.3394

■ 14.6106, 0.4184,
0.2078

■ 91.2055, 0.2841,
0.3328

Harmonies

Analogous

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



48.0809, 0.3015, 0.2986



48.0809, 0.3207, 0.3071



48.0809, 0.3382, 0.3210

Triad

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



48.0809, 0.3207, 0.3071



48.0809, 0.3398, 0.3611



48.0809, 0.2780, 0.3190

Complementary

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



48.0809, 0.3207, 0.3071



55.5796, 0.3055, 0.3519

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.



48.0809, 0.2876, 0.3366



48.0809, 0.3207, 0.3071



48.0809, 0.3231, 0.3616

Square

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



48.0809, 0.3207, 0.3071



48.0809, 0.3493, 0.3520



48.0809, 0.3040, 0.3525



48.0809, 0.2773, 0.3049

Rectangle

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



48.0809, 0.3207, 0.3071



48.0809, 0.3462, 0.3318



48.0809, 0.3040, 0.3525



48.0809, 0.2803, 0.3247

Sweetspot

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



48.0830, 0.3207, 0.3071



93.4632, 0.3151, 0.3222



46.0437, 0.2989, 0.2962



19.7501, 0.3155, 0.3209



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.



48.0830, 0.3207, 0.3071



77.2413, 0.3224, 0.3029



47.5278, 0.3314, 0.3226



11.3426, 0.3184, 0.3131



9.3110, 0.4167, 0.2069



0.4935, 0.3936, 0.1942

Inverse Universe

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



48.0830, 0.3207, 0.3071



77.2413, 0.3224, 0.3029



56.1456, 0.2968, 0.3355



11.3426, 0.3184, 0.3131



9.3110, 0.4167, 0.2069



0.4935, 0.3936, 0.1942

Previews

White Background



This preview shows how the Yxy color 48.0809, 0.3207, 0.3071 looks on a white background.

Color Contrast Check

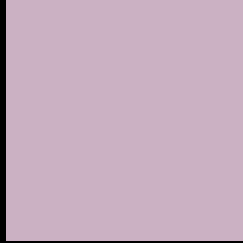
Large Text (above 18pt) WCAG AA × Fail

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 48.0809, 0.3207, 0.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

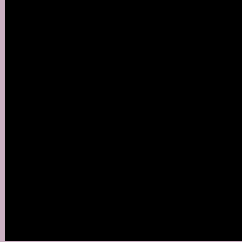
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0809, 0.3207, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 48.0809, 0.3207, 0.3071.



This preview shows how white text looks on a background with the Yxy color 48.0809, 0.3207, 0.3071.

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

48.0809, 0.3207, 0.3071

Protanopia

48.1808, 0.3013, 0.3088

Deuteranopia

48.1861, 0.3162, 0.3093



Tritanopia

48.2989, 0.3239, 0.3132

Trichromacy



Original Color

48.0809, 0.3207, 0.3071

Protanomaly

48.2013, 0.3078, 0.3078

Deuteranomaly

48.0603, 0.3180, 0.3082

Tritanomaly

48.3431, 0.3231, 0.3120

Monochromacy



Original Color

48.0809, 0.3207, 0.3071

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.9221, 0.3157, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0809, 0.3207, 0.3071 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(203, 177, 195)` looks like.

```
.text, #text, p{  
    color:rgb(203, 177, 195)  
}
```

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(203, 177, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 177, 195) }
```

Border

The CSS property to change the border of an element to Yxy 48.0809, 0.3207, 0.3071 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(203, 177, 195) }
```

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

```
.border{ border-color:rgb(203, 177, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 177, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 177, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 177, 195); box-shadow:4px 4px 4px 4px rgb(203, 177, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0809, 0.3207, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 177, 195) }
```

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

```
.background{ background-color: rgb(203,  
177, 195) }
```

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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