

Converting Colors

$Y_{xy}(48.8004, 0.3167, 0.3104)$

Have a look what the booklet for
Yxy(48.8004, 0.3167, 0.3104)
contains.

Yxy(48.7248, 0.3170, 0.3106)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.7248, 0.3170, 0.3106)

Conversions

Conversions Part 1

Format	Color
Hex	C7B4C3
RGB	199, 180, 195
RGB Percent	78%, 71%, 76%
CMY	0.2195, 0.2941, 0.2352
CMYK	0.00, 0.10, 0.02, 0.22
HSL	313°, 15%, 74%
HSV	313°, 10%, 78%
XYZ	49.7288, 48.7248, 58.4196
YIQ	187.3910, 6.5090, 8.6930

Conversions

Conversions Part 2

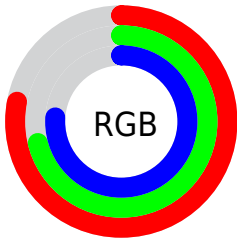
Format	Color
R _Y B	199, 180, 195
Decimal	13087939
CIE Lab	75.28, 9.45, -5.14
CIE LCh	75, 10.755, 331.468
Yxy	48.7248, 0.3170, 0.3106
Android (android.graphics.Color)	4291278019 (0xFFC7B4C3)
YUV	187.3910, 3.7512, 10.1811
Hunter-Lab	69.8032, 5.0105, -0.7587

Details

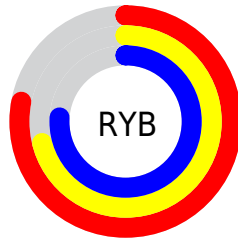
The Yxy color $48.7248, 0.3170, 0.3106$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $54.0186, 0.3087, 0.3481$, and the grayscale version is $49.9044, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.2792, 0.3154, 0.3136$, and $23.1216, 0.3185, 0.3059$ is the 20% darker color. If you saturate the color by 10%, you get $41.0732, 0.3222, 0.2906$, and if you desaturate by 10%, it is $57.5396, 0.3125, 0.3298$.

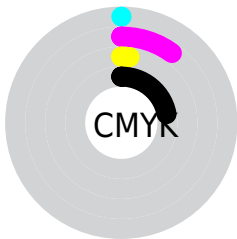
Distribution



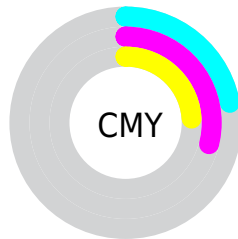
- Red (78%)
- Green (71%)
- Blue (76%)



- Red (78%)
- Yellow (71%)
- Blue (76%)



- Cyan (0%)
- Magenta (10%)
- Yellow (2%)
- Black (22%)



- Cyan (22%)
- Magenta (29%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7248, 0.3170, 0.3106 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 48.7248, 0.3170, 0.3106 by changing the saturation by 10% instead.


 48.7248, 0.3170,
0.3106

 48.7248, 0.3170,
0.3106

381.6579, 0.3149,
0.3196

 34.4012, 0.3175,
0.3084


 88.2826, 0.3163,
0.3138

 23.2020, 0.3181,
0.3056


114.2856, 0.3160,
0.3151

 14.7427, 0.3189,
0.3020


144.9505, 0.3157,
0.3161

 8.6390, 0.3200,
0.2970

180.6618, 0.3155,
0.3170

 4.5065, 0.3216,
0.2897

221.8037, 0.3154,
0.3178

 1.9607, 0.3239,
0.2782

268.7608, 0.3152,

 0.5845, 0.3322,

0.3185

0.2470

321.9174, 0.3151,
0.3191

0.0000, 0.0000,
0.0000

48.7248, 0.3170,
0.3106

48.7248, 0.3170,
0.3106

41.0732, 0.3222,
0.2906

57.5396, 0.3125,
0.3298

34.5296, 0.3281,
0.2704

67.5574, 0.3087,
0.3480

29.0435, 0.3348,
0.2506

78.8238, 0.3055,
0.3650

24.5583, 0.3421,
0.2320

88.4067, 0.3028,
0.3761

21.0118, 0.3500,
0.2156

88.6207, 0.3005,
0.3714

■ 18.3352, 0.3582,
0.2024

■ 88.8403, 0.2983,
0.3667

■ 16.4498, 0.3666,
0.1933

■ 89.0654, 0.2960,
0.3620

■ 15.2630, 0.3747,
0.1888

■ 89.2961, 0.2938,
0.3574

■ 14.6077, 0.3826,
0.1883

■ 89.5325, 0.2915,
0.3528

Harmonies

Analogous

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



48.7248, 0.3022, 0.3047



48.7248, 0.3170, 0.3106



48.7248, 0.3310, 0.3212

Triad

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



48.7248, 0.3170, 0.3106



48.7248, 0.3353, 0.3535



48.7248, 0.2861, 0.3231

Complementary

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



48.7248, 0.3170, 0.3106



54.0186, 0.3087, 0.3481

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.



48.7248, 0.2946, 0.3368



48.7248, 0.3170, 0.3106



48.7248, 0.3229, 0.3547

Square

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



48.7248, 0.3170, 0.3106



48.7248, 0.3416, 0.3457



48.7248, 0.3080, 0.3485



48.7248, 0.2846, 0.3115

Rectangle

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



48.7248, 0.3170, 0.3106



48.7248, 0.3378, 0.3296



48.7248, 0.3080, 0.3485



48.7248, 0.2882, 0.3276

Sweetspot

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



48.7269, 0.3170, 0.3106



95.1125, 0.3140, 0.3232



46.9321, 0.3011, 0.3049



20.0854, 0.3144, 0.3217



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.



48.7269, 0.3170, 0.3106



83.0161, 0.3178, 0.3074



48.3189, 0.3246, 0.3220



10.7769, 0.3169, 0.3109



9.3881, 0.3819, 0.1878



0.4544, 0.3669, 0.1795

Inverse Universe

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



48.7269, 0.3170, 0.3106



83.0161, 0.3178, 0.3074



54.4219, 0.3021, 0.3362



10.7769, 0.3169, 0.3109



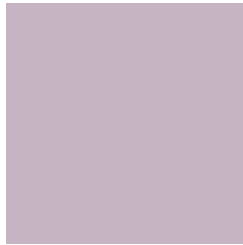
9.3881, 0.3819, 0.1878



0.4544, 0.3669, 0.1795

Previews

White Background



This preview shows how the Yxy color 48.7248, 0.3170, 0.3106 looks on a white background.

Color Contrast Check

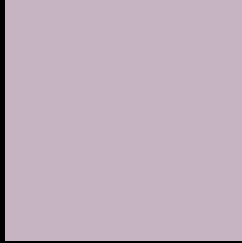
Large Text (above 18pt) WCAG AA × Fail

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 48.7248, 0.3170, 0.3106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

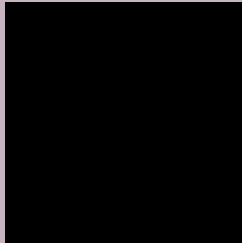
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7248, 0.3170, 0.3106

Background



This preview shows how black text looks on a background with the Yxy color 48.7248, 0.3170, 0.3106.



This preview shows how white text looks on a background with the Yxy color 48.7248, 0.3170, 0.3106.

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

48.7248, 0.3170, 0.3106

Protanopia

48.6725, 0.3028, 0.3113

Deuteranopia

48.7248, 0.3170, 0.3106



Tritanopia

48.6797, 0.3178, 0.3118

Trichromacy



Original Color

48.7248, 0.3170, 0.3106

Protanomaly

48.8453, 0.3077, 0.3115

Deuteranomaly

48.7248, 0.3170, 0.3106

Tritanomaly

48.6797, 0.3178, 0.3118

Monochromacy



Original Color

48.7248, 0.3170, 0.3106

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.0751, 0.3139, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7248, 0.3170, 0.3106 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(199, 180, 195)` looks like.

```
.text, #text, p{  
    color:rgb(199, 180, 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(199, 180, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 180, 195) }
```

Border

The CSS property to change the border of an element to Yxy 48.7248, 0.3170, 0.3106 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(199, 180, 195) }
```

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

```
.border{ border-color:rgb(199, 180, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 180, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 180, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 180, 195);  
box-shadow:4px 4px 4px 4px rgb(199, 180,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7248, 0.3170, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 180, 195) }
```

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

```
.background{ background-color: rgb(199,  
180, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor