

Converting Colors

$Yxy(48.2857, 0.3108, 0.2988)$

Have a look what the booklet for
Yxy(48.2857, 0.3108, 0.2988)
contains.

Yxy(48.2947, 0.3107, 0.2986)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.2947, 0.3107, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	C7B2CB
RGB	199, 178, 203
RGB Percent	78%, 70%, 80%
CMY	0.2197, 0.3019, 0.2038
CMYK	0.02, 0.12, 0.00, 0.20
HSL	290°, 19%, 75%
HSV	290°, 12%, 80%
XYZ	50.2517, 48.2947, 63.1907
YIQ	187.1290, 4.4910, 12.2270

Conversions

Conversions Part 2

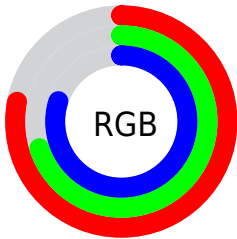
Format	Color
R_{YB}	199, 178, 203
Decimal	13087435
CIE _{Lab}	75.01, 12.02, -9.91
CIE _{LCh}	75, 15.577, 320.488
Yxy	48.2947, 0.3107, 0.2986
Android (android.graphics.Color)	4291277515 (0xFFC7B2CB)
YUV	187.1290, 7.8244, 10.4109
Hunter-Lab	69.4944, 7.4590, -5.2658

Details

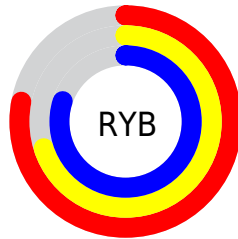
The Yxy color $48.2947, 0.3107, 0.2986$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $55.8923, 0.3143, 0.3607$, and the grayscale version is $49.7244, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.3256, 0.3137, 0.3088$, and $22.8569, 0.3099, 0.2899$ is the 20% darker color. If you saturate the color by 10%, you get $40.3615, 0.3086, 0.2729$, and if you desaturate by 10%, it is $57.4374, 0.3124, 0.3234$.

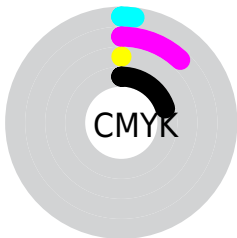
Distribution



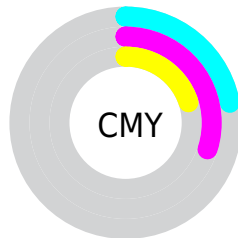
- Red (78%)
- Green (70%)
- Blue (80%)



- Red (78%)
- Yellow (70%)
- Blue (80%)



- Cyan (2%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)




- Cyan (22%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2947, 0.3107, 0.2986 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 48.2947, 0.3107, 0.2986 by changing the saturation by 10% instead.


 48.2947, 0.3107,
0.2986

 48.2947, 0.3107,
0.2986

379.9591, 0.3118,
0.3134

 34.0603, 0.3104,
0.2950


 87.6430, 0.3111,
0.3039

 22.9399, 0.3099,
0.2905


113.5258, 0.3113,
0.3059

 14.5492, 0.3093,
0.2846


144.0601, 0.3114,
0.3076

 8.5036, 0.3084,
0.2766

179.6303, 0.3115,
0.3091

 4.4188, 0.3070,
0.2651

220.6210, 0.3116,
0.3104

 1.9105, 0.3043,
0.2473

267.4164, 0.3117,

 0.5547, 0.3026,

0.3115

0.2045

320.4010, 0.3118,
0.3125

0.0000, 0.0000,
0.0000

48.2947, 0.3107,
0.2986

48.2947, 0.3107,
0.2986

40.3615, 0.3086,
0.2729

57.4374, 0.3124,
0.3234

33.5794, 0.3061,
0.2469

67.8327, 0.3137,
0.3469

27.8939, 0.3031,
0.2215

79.5290, 0.3147,
0.3687

23.2443, 0.2996,
0.1976

89.8482, 0.3157,
0.3847

19.5633, 0.2958,
0.1763

90.3417, 0.3178,
0.3844

■ 16.7762, 0.2918,
0.1586

■ 90.8453, 0.3198,
0.3840

■ 14.7967, 0.2875,
0.1452

■ 91.3589, 0.3219,
0.3837

■ 13.5219, 0.2833,
0.1362

■ 91.8826, 0.3240,
0.3833

■ 12.8793, 0.2800,
0.1316

■ 92.4164, 0.3261,
0.3829

Harmonies

Analogous

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



48.2947, 0.2903, 0.2931



48.2947, 0.3107, 0.2986



48.2947, 0.3323, 0.3115

Triad

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



48.2947, 0.3107, 0.2986



48.2947, 0.3501, 0.3612



48.2947, 0.2777, 0.3274

Complementary

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



48.2947, 0.3107, 0.2986



55.8923, 0.3143, 0.3607

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.



48.2947, 0.2928, 0.3473



48.2947, 0.3107, 0.2986



48.2947, 0.3346, 0.3671

Square

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



48.2947, 0.3107, 0.2986



48.2947, 0.3555, 0.3470



48.2947, 0.3136, 0.3622



48.2947, 0.2718, 0.3087

Rectangle

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



48.2947, 0.3107, 0.2986



48.2947, 0.3443, 0.3229



48.2947, 0.3136, 0.3622



48.2947, 0.2819, 0.3342

Sweetspot

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



48.2968, 0.3107, 0.2986



93.3522, 0.3121, 0.3192



47.3082, 0.2934, 0.3024



19.7218, 0.3120, 0.3173



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.



48.2968, 0.3107, 0.2986



76.8220, 0.3101, 0.2913



48.4708, 0.3209, 0.3087



11.3083, 0.3112, 0.3060



8.2272, 0.2806, 0.1320



0.4496, 0.2890, 0.1366

Inverse Universe

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



47.9244, 0.3314, 0.3241



76.0813, 0.3365, 0.3229



55.7516, 0.3054, 0.3501



11.2428, 0.3265, 0.3253



8.1583, 0.6153, 0.3163



0.4304, 0.5657, 0.2890

Previews

White Background



This preview shows how the Yxy color 48.2947, 0.3107, 0.2986 looks on a white background.

Color Contrast Check

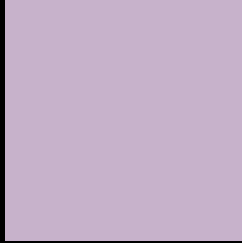
Large Text (above 18pt) WCAG AA × Fail

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 48.2947, 0.3107, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

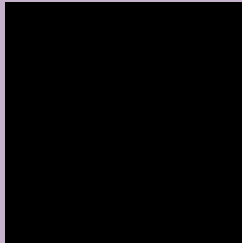
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.2947, 0.3107, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 48.2947, 0.3107, 0.2986.



This preview shows how white text looks on a background with the Yxy color 48.2947, 0.3107, 0.2986.

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

48.2947, 0.3107, 0.2986

Protanopia

48.2683, 0.2945, 0.3001

Deuteranopia

48.4236, 0.3065, 0.3007



Tritanopia

48.5433, 0.3169, 0.3118

Trichromacy



Original Color

48.2947, 0.3107, 0.2986

Protanomaly

48.1469, 0.3000, 0.2992

Deuteranomaly

48.2878, 0.3082, 0.2996

Tritanomaly

48.2772, 0.3146, 0.3069

Monochromacy



Original Color

48.2947, 0.3107, 0.2986

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.2076, 0.3116, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2947, 0.3107, 0.2986 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, 178, 203)` looks like.

```
.text, #text, p{  
    color:rgb(199, 178, 203)  
}
```

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, 178, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 178, 203) }
```

Border

The CSS property to change the border of an element to Yxy 48.2947, 0.3107, 0.2986 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, 178, 203) }
```

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

```
.border{ border-color:rgb(199, 178, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 178, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 178, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 178, 203);  
box-shadow:4px 4px 4px 4px rgb(199, 178,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2947, 0.3107, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 178, 203) }
```

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

```
.background{ background-color: rgb(199,  
178, 203) }
```

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