

Converting Colors

$Yxy(48.8536, 0.3109, 0.2954)$

Have a look what the booklet for
Yxy(48.8536, 0.3109, 0.2954)
contains.

Yxy(48.8536, 0.3109, 0.2954)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.8536, 0.3109, 0.2954)

Conversions

Conversions Part 1

Format	Color
Hex	CAB2CE
RGB	202, 178, 206
RGB Percent	79%, 70%, 81%
CMY	0.2079, 0.3019, 0.1922
CMYK	0.02, 0.14, 0.00, 0.19
HSL	291°, 22%, 75%
HSV	291°, 14%, 81%
XYZ	51.4170, 48.8536, 65.1106
YIQ	188.3680, 5.3160, 13.7960

Conversions

Conversions Part 2

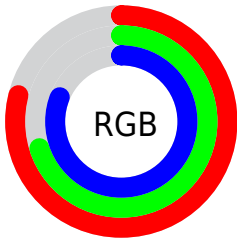
Format	Color
R _Y B	202, 178, 206
Decimal	13284046
CIE Lab	75.36, 13.61, -10.98
CIE LCh	75, 17.488, 321.107
Yxy	48.8536, 0.3109, 0.2954
Android (android.graphics.Color)	4291474126 (0xFFCAB2CE)
YUV	188.3680, 8.6926, 11.9553
Hunter-Lab	69.8954, 8.9928, -6.3045

Details

The Yxy color $48.8536, 0.3109, 0.2954$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $57.3025, 0.3141, 0.3643$, and the grayscale version is $50.4578, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.3256, 0.3137, 0.3088$, and $23.2301, 0.3101, 0.2857$ is the 20% darker color. If you saturate the color by 10%, you get $40.8572, 0.3091, 0.2697$, and if you desaturate by 10%, it is $58.0930, 0.3123, 0.3203$.

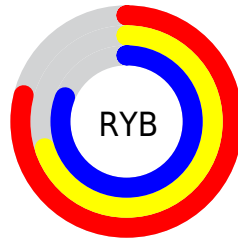
Distribution



Red (79%)

Green (70%)

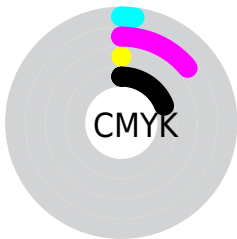
Blue (81%)



Red (79%)

Yellow (70%)

Blue (81%)

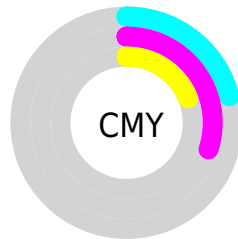


Cyan (2%)

Magenta (14%)

Yellow (0%)

Black (19%)



Cyan (21%)


Magenta (30%)

Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8536, 0.3109, 0.2954 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 48.8536, 0.3109, 0.2954 by changing the saturation by 10% instead.


 48.8536, 0.3109,
0.2954

 48.8536, 0.3109,
0.2954

382.1657, 0.3120,
0.3117

 34.5034, 0.3106,
0.2915

 88.4740, 0.3113,
0.3012

 23.2806, 0.3102,
0.2866


114.5129, 0.3115,
0.3034

 14.8008, 0.3096,
0.2802


145.2169, 0.3116,
0.3053

 8.6797, 0.3087,
0.2715

180.9702, 0.3117,
0.3069

 4.5329, 0.3072,
0.2592

222.1574, 0.3118,
0.3083

 1.9759, 0.3044,
0.2402

269.1628, 0.3119,

 0.5934, 0.3014,

0.3096

0.1993

322.3707, 0.3119,
0.3107

0.0000, 0.0000,
0.0000

48.8536, 0.3109,
0.2954

48.8536, 0.3109,
0.2954

40.8572, 0.3091,
0.2697

58.0930, 0.3123,
0.3203

34.0428, 0.3070,
0.2439

68.6203, 0.3134,
0.3440

28.3536, 0.3044,
0.2188

80.4862, 0.3141,
0.3661

23.7257, 0.3014,
0.1955

90.2386, 0.3150,
0.3813

20.0887, 0.2981,
0.1750

90.6851, 0.3169,
0.3810

■ 17.3637, 0.2946,
0.1582

■ 91.1396, 0.3188,
0.3807

■ 15.4596, 0.2909,
0.1458

■ 91.6022, 0.3206,
0.3804

■ 14.2665, 0.2872,
0.1377

■ 92.0729, 0.3225,
0.3801

■ 13.7508, 0.2848,
0.1342

■ 92.5518, 0.3244,
0.3798

Harmonies

Analogous

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



48.8536, 0.2881, 0.2890



48.8536, 0.3109, 0.2954



48.8536, 0.3350, 0.3099

Triad

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



48.8536, 0.3109, 0.2954



48.8536, 0.3543, 0.3652



48.8536, 0.2734, 0.3266

Complementary

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



48.8536, 0.3109, 0.2954



57.3025, 0.3141, 0.3643

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.



48.8536, 0.2900, 0.3491



48.8536, 0.3109, 0.2954



48.8536, 0.3367, 0.3718

Square

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



48.8536, 0.3109, 0.2954



48.8536, 0.3606, 0.3493



48.8536, 0.3131, 0.3660



48.8536, 0.2671, 0.3059

Rectangle

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



48.8536, 0.3109, 0.2954



48.8536, 0.3484, 0.3225



48.8536, 0.3131, 0.3660



48.8536, 0.2779, 0.3343

Sweetspot

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



48.8557, 0.3109, 0.2954



93.3884, 0.3122, 0.3192



47.4620, 0.2913, 0.2988



19.7310, 0.3121, 0.3174



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.



48.8557, 0.3109, 0.2954



75.5850, 0.3105, 0.2887



48.9597, 0.3222, 0.3071



11.3193, 0.3115, 0.3060



8.4998, 0.2853, 0.1346



0.4613, 0.2927, 0.1386

Inverse Universe

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



48.3427, 0.3341, 0.3242



74.6234, 0.3389, 0.3232



57.2300, 0.3043, 0.3519



11.2394, 0.3268, 0.3257



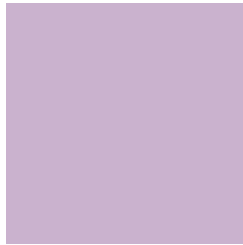
8.1447, 0.6194, 0.3186



0.4288, 0.5732, 0.2931

Previews

White Background



This preview shows how the Yxy color 48.8536, 0.3109, 0.2954 looks on a white background.

Color Contrast Check

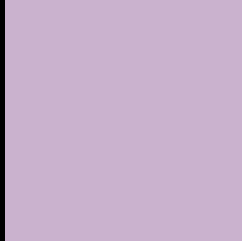
Large Text (above 18pt) WCAG AA × Fail

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 48.8536, 0.3109, 0.2954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

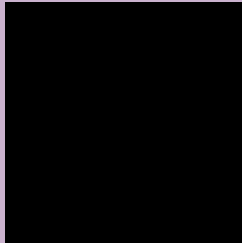
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8536, 0.3109, 0.2954

Background



This preview shows how black text looks on a background with the Yxy color 48.8536, 0.3109, 0.2954.



This preview shows how white text looks on a background with the Yxy color 48.8536, 0.3109, 0.2954.

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

48.8536, 0.3109, 0.2954

Protanopia

48.8792, 0.2916, 0.2966

Deuteranopia

49.0576, 0.3057, 0.2997



Tritanopia

48.8169, 0.3187, 0.3119

Trichromacy



Original Color

48.8536, 0.3109, 0.2954

Protanomaly

48.8782, 0.2978, 0.2958

Deuteranomaly

49.0561, 0.3083, 0.2987

Tritanomaly

48.7349, 0.3164, 0.3059

Monochromacy



Original Color

48.8536, 0.3109, 0.2954

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.5586, 0.3117, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8536, 0.3109, 0.2954 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, 178, 206)` looks like.

```
.text, #text, p{  
    color:rgb(202, 178, 206)  
}
```

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, 178, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 178, 206) }
```

Border

The CSS property to change the border of an element to Yxy 48.8536, 0.3109, 0.2954 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, 178, 206) }
```

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

```
.border{ border-color:rgb(202, 178, 206) }
```

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

Here you see how a box with a 4 pixel rgb(202, 178, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 178, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 178, 206);  
box-shadow:4px 4px 4px 4px rgb(202, 178,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8536, 0.3109, 0.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 178, 206) }
```

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

```
.background{ background-color: rgb(202,  
178, 206) }
```

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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