

Converting Colors

$Y_{xy}(48.0114, 0.3150, 0.2977)$

Have a look what the booklet for
Yxy(48.0114, 0.3150, 0.2977)
contains.

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Color

Yxy(48.0114, 0.3150, 0.2977)

Conversions

Conversions Part 1

Format	Color
Hex	CBB0CA
RGB	203, 176, 202
RGB Percent	80%, 69%, 79%
CMY	0.2042, 0.3097, 0.2079
CMYK	0.00, 0.13, 0.00, 0.20
HSL	302°, 21%, 74%
HSV	302°, 13%, 80%
XYZ	50.8014, 48.0114, 62.4616
YIQ	187.0370, 7.7460, 13.8100

Conversions

Conversions Part 2

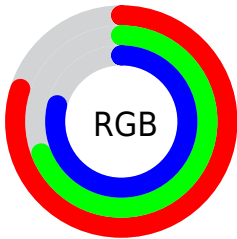
Format	Color
R _Y B	203, 176, 202
Decimal	13349066
CIE Lab	74.83, 14.25, -9.57
CIE LCh	75, 17.171, 326.114
Yxy	48.0114, 0.3150, 0.2977
Android (android.graphics.Color)	4291539146 (0xFFCBB0CA)
YUV	187.0370, 7.3768, 13.9996
Hunter-Lab	69.2903, 9.6127, -4.9437

Details

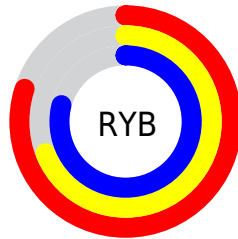
The Yxy color **48.0114, 0.3150, 0.2977** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.0903, 0.3104, 0.3624**, and the grayscale version is **49.6681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1932, 0.3138, 0.3068**, and **22.6936, 0.3158, 0.2887** is the 20% darker color. If you saturate the color by 10%, you get **40.6058, 0.3169, 0.2736**, and if you desaturate by 10%, it is **56.6110, 0.3133, 0.3214**.

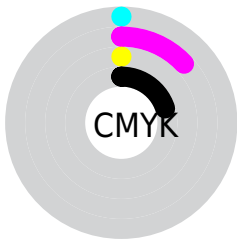
Distribution



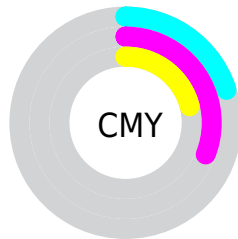
- Red (80%)
- Green (69%)
- Blue (79%)



- Red (80%)
- Yellow (69%)
- Blue (79%)



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





- Cyan (20%)
- Magenta (31%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0114, 0.3150, 0.2977 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 48.0114, 0.3150, 0.2977 by changing the saturation by 10% instead.


 48.0114, 0.3150,
0.2977

 48.0114, 0.3150,
0.2977


378.8373, 0.3140,
0.3129

 33.8359, 0.3152,
0.2940


 87.2214, 0.3147,
0.3031

 22.7676, 0.3154,
0.2894


113.0247, 0.3146,
0.3052

 14.4220, 0.3157,
0.2834


143.4727, 0.3144,
0.3070

 8.4147, 0.3160,
0.2752

178.9498, 0.3143,
0.3085

 4.3615, 0.3162,
0.2634

219.8404, 0.3142,
0.3098

 1.8777, 0.3163,
0.2451

266.5289, 0.3142,

 0.5349, 0.3205,

0.3110

0.2001

319.3998, 0.3141,
0.3120

0.0000, 0.0000,
0.0000

48.0114, 0.3150,
0.2977

48.0114, 0.3150,
0.2977

40.6058, 0.3169,
0.2736

56.6110, 0.3133,
0.3214

34.3355, 0.3188,
0.2498

66.4478, 0.3117,
0.3442

29.1459, 0.3208,
0.2271

77.5703, 0.3102,
0.3658

24.9756, 0.3228,
0.2066

88.6087, 0.3090,
0.3836

21.7571, 0.3247,
0.1892

88.6432, 0.3086,
0.3828

■ 19.4147, 0.3264,
0.1755

■ 88.6779, 0.3082,
0.3820

■ 17.8613, 0.3279,
0.1661

■ 88.7128, 0.3078,
0.3812

■ 16.9917, 0.3292,
0.1609

■ 88.7478, 0.3074,
0.3804

■ 16.6644, 0.3300,
0.1591

■ 88.7830, 0.3070,
0.3796

Harmonies

Analogous

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



48.0114, 0.2918, 0.2899



48.0114, 0.3150, 0.2977



48.0114, 0.3384, 0.3131

Triad

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



48.0114, 0.3150, 0.2977



48.0114, 0.3515, 0.3666



48.0114, 0.2721, 0.3229

Complementary

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



48.0114, 0.3150, 0.2977



55.0903, 0.3104, 0.3624

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.



48.0114, 0.2870, 0.3453



48.0114, 0.3150, 0.2977



48.0114, 0.3327, 0.3711

Square

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



48.0114, 0.3150, 0.2977



48.0114, 0.3599, 0.3522



48.0114, 0.3091, 0.3634



48.0114, 0.2677, 0.3034

Rectangle

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



48.0114, 0.3150, 0.2977



48.0114, 0.3506, 0.3259



48.0114, 0.3091, 0.3634



48.0114, 0.2760, 0.3304

Sweetspot

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



48.0135, 0.3150, 0.2977



93.6408, 0.3134, 0.3196



44.7086, 0.2925, 0.2944



19.7952, 0.3135, 0.3178



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.



48.0135, 0.3150, 0.2977



76.5823, 0.3155, 0.2906



47.4058, 0.3261, 0.3136



11.3967, 0.3143, 0.3070



10.6151, 0.3298, 0.1591



0.5498, 0.3280, 0.1580

Inverse Universe

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



48.0135, 0.3150, 0.2977



76.5823, 0.3155, 0.2906



55.6513, 0.3011, 0.3449



11.3967, 0.3143, 0.3070



10.6151, 0.3298, 0.1591



0.5498, 0.3280, 0.1580

Previews

White Background



This preview shows how the Yxy color 48.0114, 0.3150, 0.2977 looks on a white background.

Color Contrast Check

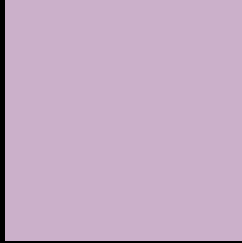
Large Text (above 18pt) WCAG AA × Fail

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 48.0114, 0.3150, 0.2977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

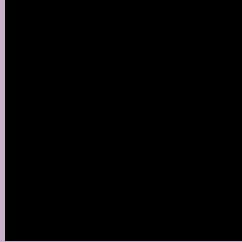
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0114, 0.3150, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 48.0114, 0.3150, 0.2977.



This preview shows how white text looks on a background with the Yxy color 48.0114, 0.3150, 0.2977.

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

48.0114, 0.3150, 0.2977

Protanopia

48.1470, 0.2937, 0.3000

Deuteranopia

47.9266, 0.3081, 0.3019



Tritanopia

48.0641, 0.3213, 0.3119

Trichromacy



Original Color

48.0114, 0.3150, 0.2977

Protanomaly

47.8691, 0.3008, 0.2980

Deuteranomaly

47.9282, 0.3106, 0.3008

Tritanomaly

47.9864, 0.3190, 0.3059

Monochromacy



Original Color

48.0114, 0.3150, 0.2977

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.0102, 0.3141, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0114, 0.3150, 0.2977 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, 176, 202)` looks like.

```
.text, #text, p{  
    color:rgb(203, 176, 202)  
}
```

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, 176, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 176, 202) }
```

Border

The CSS property to change the border of an element to Yxy 48.0114, 0.3150, 0.2977 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, 176, 202) }
```

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

```
.border{ border-color:rgb(203, 176, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 176, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 176, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 176, 202);  
box-shadow:4px 4px 4px 4px rgb(203, 176,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0114, 0.3150, 0.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 176, 202) }
```

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

```
.background{ background-color: rgb(203,  
176, 202) }
```

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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