

Converting Colors

$Y_{xy}(48.1460, 0.3012, 0.2890)$

Have a look what the booklet for
Yxy(48.1460, 0.3012, 0.2890)
contains.

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Color

Yxy(48.1460, 0.3012, 0.2890)

Conversions

Conversions Part 1

Format	Color
Hex	C3B2D3
RGB	195, 178, 211
RGB Percent	76%, 70%, 83%
CMY	0.2354, 0.3019, 0.1726
CMYK	0.08, 0.16, 0.00, 0.17
HSL	271°, 27%, 76%
HSV	271°, 16%, 83%
XYZ	50.1785, 48.1460, 68.2707
YIQ	186.8450, -0.4610, 13.8670

Conversions

Conversions Part 2

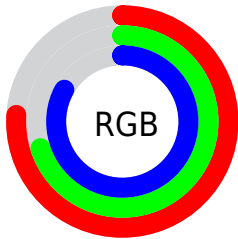
Format	Color
RYB	195, 178, 211
Decimal	12825299
CIELab	74.92, 12.22, -14.43
CIElCh	75, 18.909, 310.273
Yxy	48.1460, 0.3012, 0.2890
Android (android.graphics.Color)	4291015379 (0xFFC3B2D3)
YUV	186.8450, 11.9084, 7.1519
Hunter-Lab	69.3873, 7.6571, -9.7647

Details

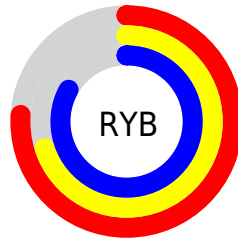
The Yxy color **48.1460, 0.3012, 0.2890** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **61.2727, 0.3228, 0.3691**, and the grayscale version is **49.5335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7611, 0.3117, 0.3086**, and **22.7303, 0.2980, 0.2785** is the 20% darker color. If you saturate the color by 10%, you get **39.0687, 0.2923, 0.2610**, and if you desaturate by 10%, it is **58.6124, 0.3089, 0.3152**.

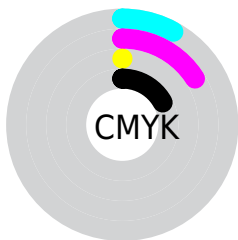
Distribution



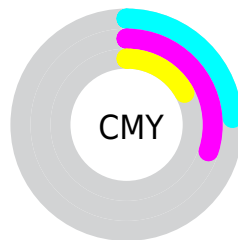
- Red (76%)
- Green (70%)
- Blue (83%)



- Red (76%)
- Yellow (70%)
- Blue (83%)



- Cyan (8%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)




- Cyan (24%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1460, 0.3012, 0.2890 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 48.1460, 0.3012, 0.2890 by changing the saturation by 10% instead.


 48.1460, 0.3012,
0.2890

 48.1460, 0.3012,
0.2890


379.3705, 0.3071,
0.3084

 33.9425, 0.2997,
0.2844


 87.4217, 0.3034,
0.2959

 22.8494, 0.2978,
0.2785


113.2628, 0.3042,
0.2985

 14.4824, 0.2951,
0.2709


143.7518, 0.3049,
0.3008

 8.4569, 0.2914,
0.2606

179.2732, 0.3054,
0.3027

 4.3887, 0.2859,
0.2460

220.2114, 0.3059,
0.3044

 1.8933, 0.2766,
0.2237

266.9508, 0.3064,

 0.5443, 0.2621,

0.3059

0.1749

319.8757, 0.3068,
0.3072

0.0000, 0.0000,
0.0000

48.1460, 0.3012,
0.2890

48.1460, 0.3012,
0.2890

39.0687, 0.2923,
0.2610

58.6124, 0.3089,
0.3152

31.3136, 0.2821,
0.2318

70.5187, 0.3154,
0.3393

24.8176, 0.2707,
0.2023

83.9205, 0.3209,
0.3611

19.5096, 0.2584,
0.1735

94.0490, 0.3263,
0.3738

15.3113, 0.2456,
0.1471

95.8530, 0.3330,
0.3729

■ 12.1347, 0.2327,
0.1243

■ 97.4828, 0.3388,
0.3721

■ 9.8775, 0.2203,
0.1065

■ 8.4144, 0.2089,
0.0942

■ 7.9245, 0.2043,
0.0899

Harmonies

Analogous

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



48.1460, 0.2787, 0.2857



48.1460, 0.3012, 0.2890



48.1460, 0.3278, 0.3018

Triad

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



48.1460, 0.3012, 0.2890



48.1460, 0.3620, 0.3628



48.1460, 0.2755, 0.3353

Complementary

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



48.1460, 0.3012, 0.2890



61.2727, 0.3228, 0.3691

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.



48.1460, 0.2965, 0.3587



48.1460, 0.3012, 0.2890



48.1460, 0.3467, 0.3743

Square

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



48.1460, 0.3012, 0.2890



48.1460, 0.3637, 0.3433



48.1460, 0.3226, 0.3732



48.1460, 0.2643, 0.3112

Rectangle

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



48.1460, 0.3012, 0.2890



48.1460, 0.3441, 0.3143



48.1460, 0.3226, 0.3732



48.1460, 0.2816, 0.3436

Sweetspot

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



48.1480, 0.3012, 0.2890



90.9778, 0.3093, 0.3166



52.9772, 0.2884, 0.3085



19.2114, 0.3088, 0.3148



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.



48.1480, 0.3012, 0.2890



68.6956, 0.2981, 0.2792



50.3967, 0.3145, 0.2906



11.7124, 0.3061, 0.3055



4.8441, 0.2058, 0.0907



0.3180, 0.2257, 0.1017

Inverse Universe

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



49.5902, 0.3283, 0.3100



71.3854, 0.3326, 0.3054



59.2662, 0.3108, 0.3706



11.9025, 0.3216, 0.3178



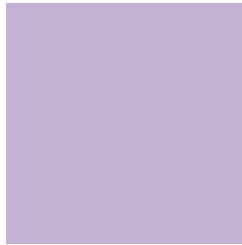
8.9628, 0.5005, 0.2531



0.5172, 0.4589, 0.2302

Previews

White Background



This preview shows how the Yxy color 48.1460, 0.3012, 0.2890 looks on a white background.

Color Contrast Check

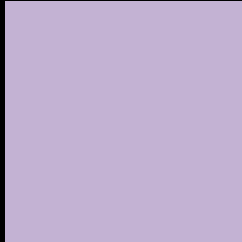
Large Text (above 18pt) WCAG AA × Fail

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 48.1460, 0.3012, 0.2890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

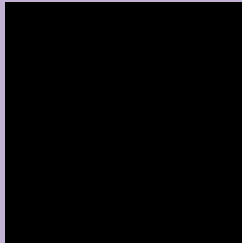
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1460, 0.3012, 0.2890

Background



This preview shows how black text looks on a background with the Yxy color 48.1460, 0.3012, 0.2890.



This preview shows how white text looks on a background with the Yxy color 48.1460, 0.3012, 0.2890.

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

48.1460, 0.3012, 0.2890

Protanopia

48.3057, 0.2864, 0.2903

Deuteranopia

48.2928, 0.2972, 0.2910



Tritanopia

48.1943, 0.3110, 0.3115

Trichromacy



Original Color

48.1460, 0.3012, 0.2890

Protanomaly

48.1661, 0.2917, 0.2895

Deuteranomaly

48.1498, 0.2988, 0.2899

Tritanomaly

48.1970, 0.3072, 0.3031

Monochromacy



Original Color

48.1460, 0.3012, 0.2890

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.2137, 0.3084, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1460, 0.3012, 0.2890 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(195, 178, 211)` looks like.

```
.text, #text, p{  
    color:rgb(195, 178, 211)  
}
```

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(195, 178, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 178, 211) }
```

Border

The CSS property to change the border of an element to Yxy 48.1460, 0.3012, 0.2890 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(195, 178, 211) }
```

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

```
.border{ border-color:rgb(195, 178, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 178, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 178, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 178, 211);  
box-shadow:4px 4px 4px 4px rgb(195, 178,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1460, 0.3012, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 178, 211) }
```

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

```
.background{ background-color: rgb(195,  
178, 211) }
```

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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