

Converting Colors

$Yxy(48.6204, 0.2964, 0.2891)$

Have a look what the booklet for
Yxy(48.6204, 0.2964, 0.2891)
contains.

Yxy(48.5230, 0.2965, 0.2888)	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(48.5230, 0.2965, 0.2888)

Conversions

Conversions Part 1

Format	Color
Hex	BFB4D5
RGB	191, 180, 213
RGB Percent	75%, 71%, 84%
CMY	0.2509, 0.2941, 0.1648
CMYK	0.10, 0.15, 0.00, 0.16
HSL	260°, 28%, 77%
HSV	260°, 15%, 84%
XYZ	49.8167, 48.5230, 69.6762
YIQ	187.0510, -4.0370, 12.5950

Conversions

Conversions Part 2

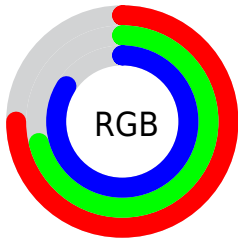
Format	Color
R _Y B	191, 180, 213
Decimal	12563669
CIE Lab	75.15, 10.23, -15.19
CIE LCh	75, 18.310, 303.966
Yxy	48.5230, 0.2965, 0.2888
Android (android.graphics.Color)	4290753749 (0xFFBFB4D5)
YUV	187.0510, 12.7929, 3.4633
Hunter-Lab	69.6585, 5.7532, -10.5442

Details

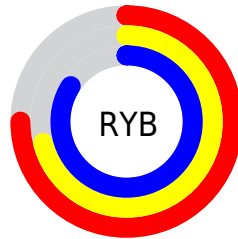
The Yxy color **48.5230, 0.2965, 0.2888** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **63.4261, 0.3273, 0.3682**, and the grayscale version is **49.6538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9851, 0.3083, 0.3104**, and **22.9657, 0.2917, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **38.8246, 0.2840, 0.2598**, and if you desaturate by 10%, it is **59.7249, 0.3074, 0.3155**.

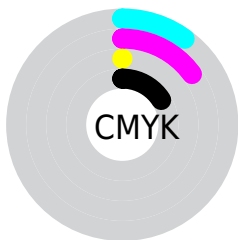
Distribution



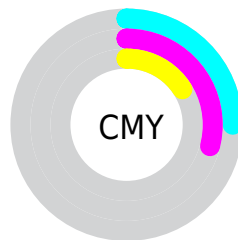
- Red (75%)
- Green (71%)
- Blue (84%)



- Red (75%)
- Yellow (71%)
- Blue (84%)



- Cyan (10%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)





- Cyan (25%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5230, 0.2965, 0.2888 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 48.5230, 0.2965, 0.2888 by changing the saturation by 10% instead.


 48.5230, 0.2965,
0.2888

 48.5230, 0.2965,
0.2888


380.8614, 0.3047,
0.3083

 34.2412, 0.2944,
0.2841


 87.9826, 0.2995,
0.2957

 23.0790, 0.2918,
0.2782

113.9292, 0.3006,
0.2984

 14.6518, 0.2883,
0.2706


144.5329, 0.3015,
0.3006

 8.5754, 0.2834,
0.2602

180.1781, 0.3023,
0.3026

 4.4653, 0.2761,
0.2455

221.2491, 0.3030,
0.3043

 1.9371, 0.2643,
0.2231

268.1305, 0.3037,

 0.5705, 0.2445,

0.3058

0.1762

321.2064, 0.3042,
0.3071

0.0000, 0.0000,
0.0000

48.5230, 0.2965,
0.2888

48.5230, 0.2965,
0.2888

38.8246, 0.2840,
0.2598

59.7249, 0.3074,
0.3155

30.5585, 0.2699,
0.2288

72.4854, 0.3168,
0.3396

23.6566, 0.2544,
0.1970

86.8641, 0.3247,
0.3611

18.0430, 0.2380,
0.1655

96.2369, 0.3328,
0.3707

13.6338, 0.2213,
0.1360

97.5830, 0.3376,
0.3701

■ 10.3350, 0.2052,
0.1106

■ 8.0380, 0.1907,
0.0908

■ 6.6104, 0.1785,
0.0776

■ 6.1459, 0.1737,
0.0731

Harmonies

Analogous

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



48.5230, 0.2762, 0.2879



48.5230, 0.2965, 0.2888



48.5230, 0.3219, 0.2994

Triad

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



48.5230, 0.2965, 0.2888



48.5230, 0.3618, 0.3582



48.5230, 0.2803, 0.3402

Complementary

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



48.5230, 0.2965, 0.2888



63.4261, 0.3273, 0.3682

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.



48.5230, 0.3022, 0.3615



48.5230, 0.2965, 0.2888



48.5230, 0.3496, 0.3713

Square

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



48.5230, 0.2965, 0.2888



48.5230, 0.3604, 0.3384



48.5230, 0.3276, 0.3730



48.5230, 0.2672, 0.3164

Rectangle

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



48.5230, 0.2965, 0.2888



48.5230, 0.3383, 0.3107



48.5230, 0.3276, 0.3730



48.5230, 0.2869, 0.3480

Sweetspot

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



48.5250, 0.2965, 0.2888



90.5576, 0.3078, 0.3166



56.7420, 0.2889, 0.3155



19.1094, 0.3071, 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.



48.5250, 0.2965, 0.2888



67.2717, 0.2920, 0.2783



50.7824, 0.3099, 0.2904



12.2080, 0.3033, 0.3053



3.8052, 0.1751, 0.0738



0.2742, 0.1945, 0.0845

Inverse Universe

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



51.0502, 0.3233, 0.3033



71.8898, 0.3263, 0.2969



61.2499, 0.3148, 0.3697



12.5589, 0.3188, 0.3136



9.8520, 0.4268, 0.2125



0.6093, 0.4040, 0.1999

Previews

White Background



This preview shows how the Yxy color 48.5230, 0.2965, 0.2888 looks on a white background.

Color Contrast Check

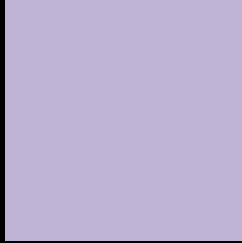
Large Text (above 18pt) WCAG AA × Fail

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 48.5230, 0.2965, 0.2888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

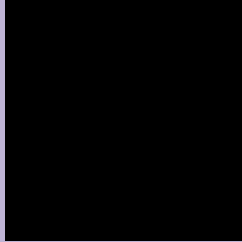
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5230, 0.2965, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 48.5230, 0.2965, 0.2888.



This preview shows how white text looks on a background with the Yxy color 48.5230, 0.2965, 0.2888.

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

48.5230, 0.2965, 0.2888

Protanopia

48.7710, 0.2858, 0.2904

Deuteranopia

48.3938, 0.2957, 0.2887



Tritanopia

48.5896, 0.3060, 0.3114

Trichromacy



Original Color

48.5230, 0.2965, 0.2888

Protanomaly

48.7893, 0.2895, 0.2906

Deuteranomaly

48.3938, 0.2957, 0.2887

Tritanomaly

48.5865, 0.3023, 0.3029

Monochromacy



Original Color

48.5230, 0.2965, 0.2888

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.9579, 0.3068, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5230, 0.2965, 0.2888 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(191, 180, 213)` looks like.

```
.text, #text, p{  
    color:rgb(191, 180, 213)  
}
```

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(191, 180, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 180, 213) }
```

Border

The CSS property to change the border of an element to Yxy 48.5230, 0.2965, 0.2888 is called "border". The border property can be set on classes, ids or directly on the HTML element.

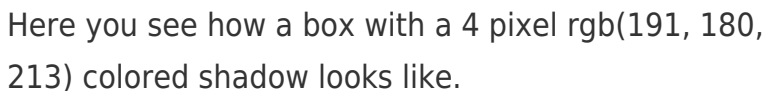
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 180, 213) }
```

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

```
.border{ border-color:rgb(191, 180, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(191, 180, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 180, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 180, 213); box-shadow:4px 4px 4px 4px rgb(191, 180, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5230, 0.2965, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 180, 213) }
```

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

```
.background{ background-color: rgb(191,  
180, 213) }
```

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