

Converting Colors

$Y_{xy}(50.1203, 0.2885, 0.2707)$

Have a look what the booklet for
Yxy(50.1203, 0.2885, 0.2707)
contains.

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Color

Yxy(50.0914, 0.2882, 0.2705)

Conversions

Conversions Part 1

Format	Color
Hex	C4B4E6
RGB	196, 180, 230
RGB Percent	77%, 71%, 90%
CMY	0.2314, 0.2941, 0.0980
CMYK	0.15, 0.22, 0.00, 0.10
HSL	259°, 50%, 80%
HSV	259°, 22%, 90%
XYZ	53.3691, 50.0914, 81.7203
YIQ	190.4840, -6.5140, 18.9420

Conversions

Conversions Part 2

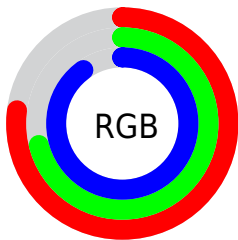
Format	Color
RYB	196, 180, 230
Decimal	12891366
CIELab	76.13, 15.40, -22.92
CIELCh	76, 27.614, 303.907
Yxy	50.0914, 0.2882, 0.2705
Android (android.graphics.Color)	4291081446 (0xFFC4B4E6)
YUV	190.4840, 19.4814, 4.8375
Hunter-Lab	70.7753, 10.7437, -18.9162

Details

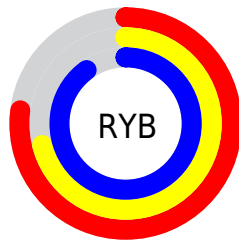
The Yxy color **50.0914, 0.2882, 0.2705** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.1881, 0.3337, 0.3852**, and the grayscale version is **51.6756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0936, 0.3123, 0.3106**, and **23.9855, 0.2817, 0.2561** is the 20% darker color. If you saturate the color by 10%, you get **39.5751, 0.2743, 0.2399**, and if you desaturate by 10%, it is **62.3714, 0.3004, 0.2989**.

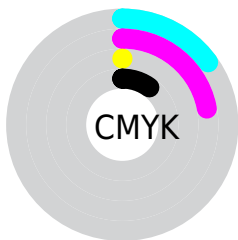
Distribution



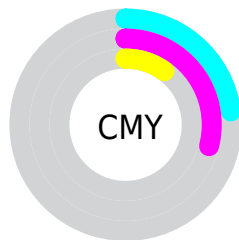
- Red (77%)
- Green (71%)
- Blue (90%)



- Red (77%)
- Yellow (71%)
- Blue (90%)



- Cyan (15%)
- Magenta (22%)
- Yellow (0%)
- Black (10%)





- Cyan (23%)
- Magenta (29%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0914, 0.2882, 0.2705 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 50.0914, 0.2882, 0.2705 by changing the saturation by 10% instead.


 50.0914, 0.2882,
0.2705

 50.0914, 0.2882,
0.2705


387.0233, 0.3005,
0.2983

 35.4860, 0.2851,
0.2640


 90.3103, 0.2927,
0.2803

 24.0375, 0.2812,
0.2559


116.6926, 0.2944,
0.2840

 15.3614, 0.2761,
0.2456


147.7693, 0.2958,
0.2872

 9.0734, 0.2689,
0.2319

183.9249, 0.2970,
0.2900

 4.7891, 0.2586,
0.2131

225.5437, 0.2981,
0.2925

 2.1241, 0.2424,
0.1858

273.0100, 0.2990,

 0.6781, 0.2148,

0.2946

0.1410

326.7085, 0.2998,
0.2966

0.0000, 0.0000,
0.0000

50.0914, 0.2882,
0.2705

50.0914, 0.2882,
0.2705

39.5751, 0.2743,
0.2399

62.3714, 0.3004,
0.2989

30.7336, 0.2589,
0.2080

76.4859, 0.3110,
0.3248

23.4797, 0.2424,
0.1758

92.5095, 0.3201,
0.3480

17.7153, 0.2254,
0.1451

98.4934, 0.3274,
0.3532

13.3313, 0.2087,
0.1178

■ 10.2031, 0.1934,
0.0957

■ 8.1819, 0.1803,
0.0802

■ 7.1529, 0.1715,
0.0718

Harmonies

Analogous

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



50.0914, 0.2589, 0.2686



50.0914, 0.2882, 0.2705



50.0914, 0.3259, 0.2859

Triad

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



50.0914, 0.2882, 0.2705



50.0914, 0.3861, 0.3711



50.0914, 0.2647, 0.3455

Complementary

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



50.0914, 0.2882, 0.2705



74.1881, 0.3337, 0.3852

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.



50.0914, 0.2966, 0.3787



50.0914, 0.2882, 0.2705



50.0914, 0.3672, 0.3919

Square

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



50.0914, 0.2882, 0.2705



50.0914, 0.3843, 0.3417



50.0914, 0.3341, 0.3958



50.0914, 0.2460, 0.3094

Rectangle

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



50.0914, 0.2882, 0.2705



50.0914, 0.3507, 0.3019



50.0914, 0.3341, 0.3958



50.0914, 0.2742, 0.3576

Sweetspot

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



50.0935, 0.2882, 0.2705



86.9052, 0.3056, 0.3114



63.5965, 0.2791, 0.3103



18.3715, 0.3050, 0.3098



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.



50.0935, 0.2882, 0.2705



57.1750, 0.2823, 0.2573



53.7041, 0.3078, 0.2738



14.1098, 0.3030, 0.3051



4.1075, 0.1729, 0.0726



0.3520, 0.1888, 0.0814

Inverse Universe

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



54.3232, 0.3279, 0.2916



63.4546, 0.3317, 0.2837



70.7316, 0.3161, 0.3884



14.5326, 0.3187, 0.3131



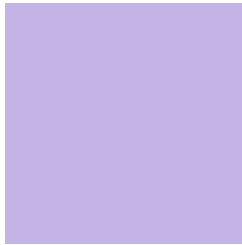
10.9143, 0.4219, 0.2098



0.8233, 0.4035, 0.1996

Previews

White Background



This preview shows how the Yxy color 50.0914, 0.2882, 0.2705 looks on a white background.

Color Contrast Check

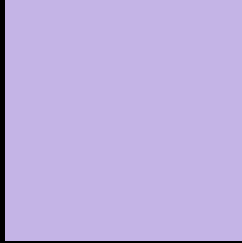
Large Text (above 18pt) WCAG AA × Fail

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 50.0914, 0.2882, 0.2705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

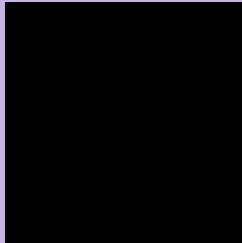
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0914, 0.2882, 0.2705

Background



This preview shows how black text looks on a background with the Yxy color 50.0914, 0.2882, 0.2705.



This preview shows how white text looks on a background with the Yxy color 50.0914, 0.2882, 0.2705.

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

50.0914, 0.2882, 0.2705

Protanopia

50.2884, 0.2712, 0.2711

Deuteranopia

50.2524, 0.2808, 0.2751



Tritanopia

49.9444, 0.3062, 0.3104

Trichromacy



Original Color

50.0914, 0.2882, 0.2705

Protanomaly

50.2315, 0.2767, 0.2705

Deuteranomaly

50.3429, 0.2837, 0.2743

Tritanomaly

49.9076, 0.2996, 0.2950

Monochromacy



Original Color

50.0914, 0.2882, 0.2705

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.7321, 0.3032, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0914, 0.2882, 0.2705 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(196, 180, 230)` looks like.

```
.text, #text, p{  
    color:rgb(196, 180, 230)  
}
```

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(196, 180, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 180, 230) }
```

Border

The CSS property to change the border of an element to Yxy 50.0914, 0.2882, 0.2705 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(196, 180, 230) }
```

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

```
.border{ border-color:rgb(196, 180, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 180, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 180, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 180, 230);  
box-shadow:4px 4px 4px 4px rgb(196, 180,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0914, 0.2882, 0.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 180, 230) }
```

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

```
.background{ background-color: rgb(196,  
180, 230) }
```

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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