

Converting Colors

$Y_{xy}(50.7332, 0.2806, 0.2887)$

Have a look what the booklet for
Yxy(50.7332, 0.2806, 0.2887)
contains.

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Color

Yxy(50.5340, 0.2805, 0.2883)

Conversions

Conversions Part 1

Format	Color
Hex	B1BCDD
RGB	177, 188, 221
RGB Percent	69%, 74%, 87%
CMY	0.3059, 0.2627, 0.1333
CMYK	0.20, 0.15, 0.00, 0.13
HSL	225°, 39%, 78%
HSV	225°, 20%, 87%
XYZ	49.1668, 50.5340, 75.5819
YIQ	188.4730, -17.1490, 7.9310

Conversions

Conversions Part 2

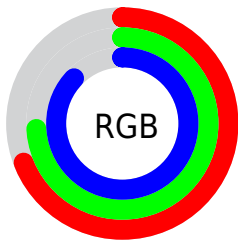
Format	Color
RYB	177, 186, 221
Decimal	11648221
CIELab	76.40, 3.11, -17.78
CIELCh	76, 18.053, 279.935
Yxy	50.5340, 0.2805, 0.2883
Android (android.graphics.Color)	4289838301 (0xFFB1BCDD)
YUV	188.4730, 16.0358, -10.0618
Hunter-Lab	71.0873, -0.9450, -13.2776

Details

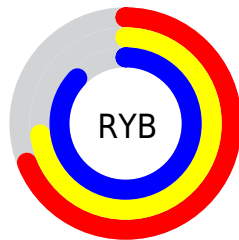
The Yxy color **50.5340, 0.2805, 0.2883** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.6488, 0.3449, 0.3666**, and the grayscale version is **50.4879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2450, 0.2993, 0.3180**, and **24.3662, 0.2719, 0.2777** is the 20% darker color. If you saturate the color by 10%, you get **41.4672, 0.2625, 0.2643**, and if you desaturate by 10%, it is **60.8387, 0.2973, 0.3099**.

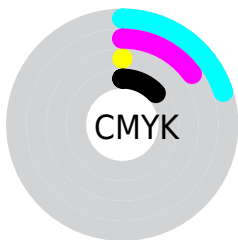
Distribution



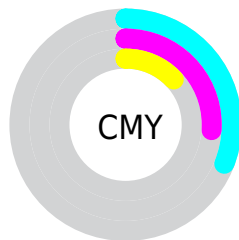
- Red (69%)
- Green (74%)
- Blue (87%)



- Red (69%)
- Yellow (73%)
- Blue (87%)



- Cyan (20%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)



- Cyan (31%)
- Magenta (26%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5340, 0.2805, 0.2883 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 50.5340, 0.2805, 0.2883 by changing the saturation by 10% instead.

■ 50.5340, 0.2805,
0.2883

■ 50.5340, 0.2805,
0.2883

388.7505, 0.2963,
0.3081

■ 35.8379, 0.2767,
0.2836

■ 90.9656, 0.2862,
0.2953

■ 24.3090, 0.2718,
0.2776

117.4698, 0.2883,
0.2980

■ 15.5630, 0.2654,
0.2698

148.6789, 0.2901,
0.3003

■ 9.2155, 0.2568,
0.2593

184.9772, 0.2917,
0.3023

■ 4.8820, 0.2443,
0.2444

226.7491, 0.2931,
0.3040

■ 2.1782, 0.2251,
0.2217

274.3791, 0.2943,

■ 0.7081, 0.1921,

0.3055

0.1816

328.2514, 0.2954,
0.3069

0.0000, 0.0000,
0.0000

50.5340, 0.2805,
0.2883

50.5340, 0.2805,
0.2883

41.4672, 0.2625,
0.2643

60.8387, 0.2973,
0.3099

33.5844, 0.2438,
0.2381

72.4201, 0.3128,
0.3291

26.8371, 0.2249,
0.2103

85.3227, 0.3269,
0.3460

21.1704, 0.2066,
0.1818

97.5602, 0.3328,
0.3615

16.5250, 0.1898,
0.1538

98.0015, 0.3327,
0.3621

■ 12.8352, 0.1757,
0.1278

■ 10.0263, 0.1649,
0.1053

■ 7.9928, 0.1576,
0.0872

■ 7.9786, 0.1575,
0.0871

Harmonies

Analogous

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



50.5340, 0.2682, 0.2957



50.5340, 0.2805, 0.2883



50.5340, 0.3017, 0.2912

Triad

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



50.5340, 0.2805, 0.2883



50.5340, 0.3605, 0.3423



50.5340, 0.2978, 0.3570

Complementary

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



50.5340, 0.2805, 0.2883



64.6488, 0.3449, 0.3666

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.



50.5340, 0.3223, 0.3705



50.5340, 0.2805, 0.2883



50.5340, 0.3591, 0.3607

Square

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



50.5340, 0.2805, 0.2883



50.5340, 0.3484, 0.3216



50.5340, 0.3449, 0.3715



50.5340, 0.2779, 0.3353

Rectangle

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



50.5340, 0.2805, 0.2883



50.5340, 0.3183, 0.2983



50.5340, 0.3449, 0.3715



50.5340, 0.3058, 0.3628

Sweetspot

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



50.5361, 0.2805, 0.2883



90.1089, 0.3035, 0.3177



65.6871, 0.2900, 0.3431



19.0651, 0.3025, 0.3164



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.



50.5361, 0.2805, 0.2883



64.3135, 0.2729, 0.2783



47.2632, 0.2876, 0.2755



13.1435, 0.2981, 0.3109



4.7862, 0.1582, 0.0895



0.4469, 0.1670, 0.1211

Inverse Universe

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



50.4491, 0.3424, 0.3163



64.3631, 0.3506, 0.3134



68.7088, 0.3348, 0.3797



13.1047, 0.3253, 0.3232



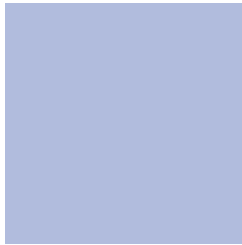
9.1069, 0.5919, 0.3034



0.6038, 0.5451, 0.2777

Previews

White Background



This preview shows how the Yxy color 50.5340, 0.2805, 0.2883 looks on a white background.

Color Contrast Check

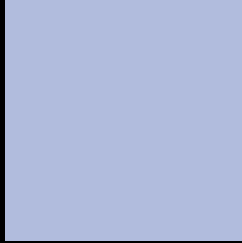
Large Text (above 18pt) WCAG AA × Fail

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 50.5340, 0.2805, 0.2883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

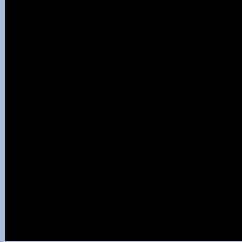
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.5340, 0.2805, 0.2883

Background



This preview shows how black text looks on a background with the Yxy color 50.5340, 0.2805, 0.2883.



This preview shows how white text looks on a background with the Yxy color 50.5340, 0.2805, 0.2883.

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

50.5340, 0.2805, 0.2883

Protanopia

50.6530, 0.2848, 0.2886

Deuteranopia

50.5021, 0.2893, 0.2834



Tritanopia

50.7165, 0.2886, 0.3099

Trichromacy



Original Color

50.5340, 0.2805, 0.2883

Protanomaly

50.4113, 0.2833, 0.2885

Deuteranomaly

50.2861, 0.2856, 0.2841

Tritanomaly

50.6440, 0.2859, 0.3026

Monochromacy



Original Color

50.5340, 0.2805, 0.2883

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.3269, 0.3005, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5340, 0.2805, 0.2883 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(177, 188, 221)` looks like.

```
.text, #text, p{  
    color:rgb(177, 188, 221)  
}
```

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(177, 188, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 188, 221) }
```

Border

The CSS property to change the border of an element to Yxy 50.5340, 0.2805, 0.2883 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(177, 188, 221) }
```

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

```
.border{ border-color:rgb(177, 188, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 188, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 188, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 188, 221); box-shadow:4px 4px 4px 4px rgb(177, 188, 221) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5340, 0.2805, 0.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 188, 221) }
```

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

```
.background{ background-color: rgb(177,  
188, 221) }
```

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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