

Converting Colors

$Y_{xy}(50.1240, 0.2710, 0.2534)$

Have a look what the booklet for
Yxy(50.1240, 0.2710, 0.2534)
contains.

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Color

Yxy(50.2664, 0.2710, 0.2539)

Conversions

Conversions Part 1

Format	Color
Hex	BBB5F6
RGB	187, 181, 246
RGB Percent	73%, 71%, 96%
CMY	0.2666, 0.2902, 0.0353
CMYK	0.24, 0.26, 0.00, 0.04
HSL	246°, 78%, 84%
HSV	246°, 26%, 96%
XYZ	53.6518, 50.2664, 94.0589
YIQ	190.2040, -17.2890, 21.4870

Conversions

Conversions Part 2

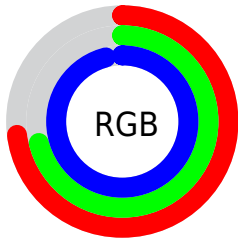
Format	Color
RYB	187, 181, 246
Decimal	12301814
CIELab	76.23, 15.67, -31.46
CIELCh	76, 35.143, 296.481
Yxy	50.2664, 0.2710, 0.2539
Android (android.graphics.Color)	4290491894 (0xFFBBB5F6)
YUV	190.2040, 27.5074, -2.8099
Hunter-Lab	70.8988, 11.0048, -29.0288

Details

The Yxy color **50.2664, 0.2710, 0.2539** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.7693, 0.3485, 0.3961**, and the grayscale version is **51.4636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0215, 0.3064, 0.3113**, and **24.0990, 0.2604, 0.2361** is the 20% darker color. If you saturate the color by 10%, you get **38.5313, 0.2518, 0.2203**, and if you desaturate by 10%, it is **64.2095, 0.2884, 0.2849**.

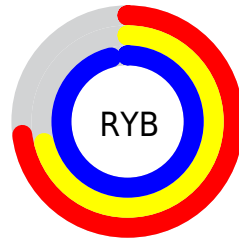
Distribution



Red (73%)

Green (71%)

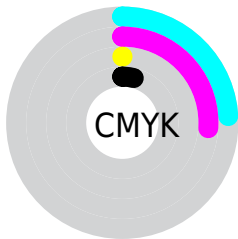
Blue (96%)



Red (73%)

Yellow (71%)

Blue (96%)

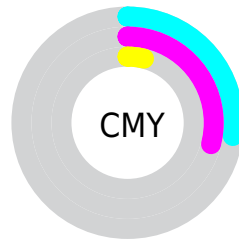


Cyan (24%)

Magenta (26%)

Yellow (0%)

Black (4%)



Cyan (27%)

Magenta (29%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2664, 0.2710, 0.2539 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 50.2664, 0.2710, 0.2539 by changing the saturation by 10% instead.

■ 50.2664, 0.2710,
0.2539

■ 50.2664, 0.2710,
0.2539

387.7068, 0.2916,
0.2892

■ 35.6251, 0.2660,
0.2458

■ 90.5695, 0.2784,
0.2662

■ 24.1448, 0.2597,
0.2358

117.0000, 0.2812,
0.2710

■ 15.4411, 0.2515,
0.2231

148.1291, 0.2836,
0.2751

■ 9.1295, 0.2404,
0.2067

184.3412, 0.2857,
0.2786

■ 4.8258, 0.2249,
0.1847

226.0206, 0.2874,
0.2817

■ 2.1454, 0.2018,
0.1540

273.5518, 0.2890,


■ 0.6900, 0.1655,

0.2845


0.1083

327.3190, 0.2904,
0.2870

 0.0000, 0.0000,
0.0000


 50.2664, 0.2710,
0.2539


 50.2664, 0.2710,
0.2539


 38.5313, 0.2518,
0.2203


 64.2095, 0.2884,
0.2849


 28.8850, 0.2315,
0.1854


 80.4594, 0.3039,
0.3128

 21.2065, 0.2110,
0.1508

 99.1164, 0.3173,
0.3375

 15.3596, 0.1916,
0.1192

 99.4335, 0.3179,
0.3376

 11.1910, 0.1749,
0.0929

■ 8.5219, 0.1622,
0.0741

■ 7.1316, 0.1542,
0.0636

■ 6.8324, 0.1524,
0.0613

Harmonies

Analogous

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



50.2664, 0.2388, 0.2554



50.2664, 0.2710, 0.2539



50.2664, 0.3167, 0.2692

Triad

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



50.2664, 0.2710, 0.2539



50.2664, 0.4080, 0.3721



50.2664, 0.2605, 0.3616

Complementary

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



50.2664, 0.2710, 0.2539



87.7693, 0.3485, 0.3961

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.



50.2664, 0.3031, 0.4012



50.2664, 0.2710, 0.2539



50.2664, 0.3893, 0.4030

Square

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



50.2664, 0.2710, 0.2539



50.2664, 0.3992, 0.3342



50.2664, 0.3504, 0.4159



50.2664, 0.2330, 0.3139

Rectangle

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



50.2664, 0.2710, 0.2539



50.2664, 0.3494, 0.2871



50.2664, 0.3504, 0.4159



50.2664, 0.2734, 0.3767

Sweetspot

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



50.2684, 0.2710, 0.2539



84.3237, 0.3015, 0.3086



79.1397, 0.2735, 0.3229



17.4579, 0.2993, 0.3045



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.



50.2684, 0.2710, 0.2539



47.0768, 0.2604, 0.2352



54.7499, 0.2947, 0.2588



15.9999, 0.2993, 0.3046



3.6725, 0.1530, 0.0617



0.3471, 0.1598, 0.0654

Inverse Universe

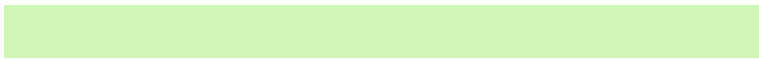
The Inverse Universe completely reimagines the original color for something new.



58.9322, 0.3204, 0.2687



58.0449, 0.3223, 0.2558



82.6672, 0.3267, 0.4011



16.7404, 0.3152, 0.3078



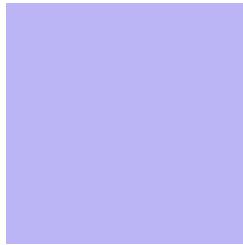
13.3209, 0.3456, 0.1678



1.1783, 0.3421, 0.1658

Previews

White Background



This preview shows how the Yxy color 50.2664, 0.2710, 0.2539 looks on a white background.

Color Contrast Check

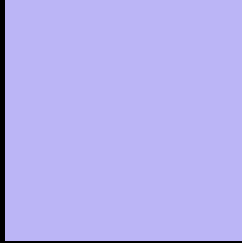
Large Text (above 18pt) WCAG AA × Fail

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 50.2664, 0.2710, 0.2539 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 50.2664, 0.2710, 0.2539

Background



This preview shows how black text looks on a background with the Yxy color 50.2664, 0.2710, 0.2539.



This preview shows how white text looks on a background with the Yxy color 50.2664, 0.2710, 0.2539.

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

50.2664, 0.2710, 0.2539

Protanopia

50.5034, 0.2582, 0.2545

Deuteranopia

50.4045, 0.2637, 0.2581



Tritanopia

50.3385, 0.2937, 0.3101

Trichromacy



Original Color

50.2664, 0.2710, 0.2539

Protanomaly

50.2884, 0.2625, 0.2539

Deuteranomaly

50.4573, 0.2663, 0.2574

Tritanomaly

50.1774, 0.2854, 0.2885

Monochromacy



Original Color

50.2664, 0.2710, 0.2539

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.0126, 0.2972, 0.3008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2664, 0.2710, 0.2539 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(187, 181, 246)` looks like.

```
.text, #text, p{  
    color:rgb(187, 181, 246)  
}
```

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(187, 181, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 181, 246) }
```

Border

The CSS property to change the border of an element to Yxy 50.2664, 0.2710, 0.2539 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(187, 181, 246) }
```

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

```
.border{ border-color:rgb(187, 181, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 181, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 181, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 181, 246);  
box-shadow:4px 4px 4px 4px rgb(187, 181,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2664, 0.2710, 0.2539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 181, 246) }
```

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

```
.background{ background-color: rgb(187,  
181, 246) }
```

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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