

Converting Colors

$Yxy(49.9986, 0.2647, 0.2542)$

Have a look what the booklet for
Yxy(49.9986, 0.2647, 0.2542)
contains.

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Color

Yxy(50.0474, 0.2643, 0.2540)

Conversions

Conversions Part 1

Format	Color
Hex	B2B7F7
RGB	178, 183, 247
RGB Percent	70%, 72%, 97%
CMY	0.3021, 0.2823, 0.0314
CMYK	0.28, 0.26, 0.00, 0.03
HSL	236°, 81%, 83%
HSV	236°, 28%, 97%
XYZ	52.0769, 50.0474, 94.9127
YIQ	188.8010, -23.5240, 18.8440

Conversions

Conversions Part 2

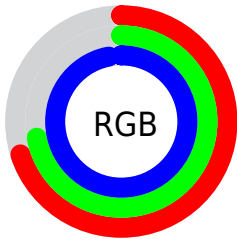
Format	Color
RYB	178, 183, 247
Decimal	11712503
CIELab	76.10, 12.16, -32.26
CIElCh	76, 34.479, 290.659
Yxy	50.0474, 0.2643, 0.2540
Android (android.graphics.Color)	4289902583 (0xFFB2B7F7)
YUV	188.8010, 28.6921, -9.4725
Hunter-Lab	70.7442, 7.5968, -30.0245

Details

The Yxy color **50.0474, 0.2643, 0.2540** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.4692, 0.3563, 0.3943**, and the grayscale version is **50.6114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6152, 0.3006, 0.3130**, and **23.9681, 0.2520, 0.2360** is the 20% darker color. If you saturate the color by 10%, you get **38.6963, 0.2440, 0.2218**, and if you desaturate by 10%, it is **63.4649, 0.2833, 0.2836**.

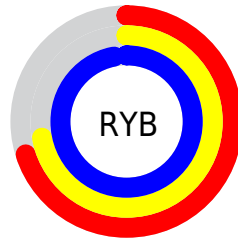
Distribution



Red (70%)

Green (72%)

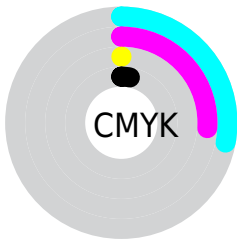
Blue (97%)



Red (70%)

Yellow (72%)

Blue (97%)

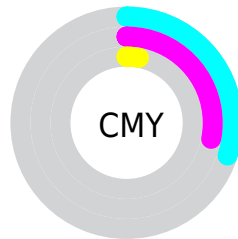


Cyan (28%)

Magenta (26%)

Yellow (0%)

Black (3%)



Cyan (30%)

Magenta (28%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0474, 0.2643, 0.2540 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 50.0474, 0.2643, 0.2540 by changing the saturation by 10% instead.

■ 50.0474, 0.2643,
0.2540

■ 50.0474, 0.2643,
0.2540

■ 386.8513, 0.2880,
0.2894

■ 35.4511, 0.2586,
0.2458

■ 90.2451, 0.2728,
0.2664

■ 24.0105, 0.2514,
0.2357

■ 116.6153, 0.2760,
0.2712

■ 15.3414, 0.2421,
0.2229

■ 147.6788, 0.2788,
0.2753

■ 9.0594, 0.2297,
0.2063

■ 183.8201, 0.2811,
0.2788

■ 4.7799, 0.2124,
0.1839

■ 225.4237, 0.2832,
0.2820

■ 2.1187, 0.1871,
0.1528

■ 272.8738, 0.2850,

■ 0.6751, 0.1482,

0.2847

0.1062

326.5548, 0.2866,
0.2872

0.0000, 0.0000,
0.0000

50.0474, 0.2643,
0.2540

50.0474, 0.2643,
0.2540

38.6963, 0.2440,
0.2218

63.4649, 0.2833,
0.2836

29.3031, 0.2230,
0.1880

79.0380, 0.3004,
0.3102

21.7587, 0.2024,
0.1543

96.8581, 0.3157,
0.3335

15.9406, 0.1837,
0.1230

99.4956, 0.3173,
0.3367

11.7117, 0.1684,
0.0965

■ 8.9137, 0.1577,
0.0769

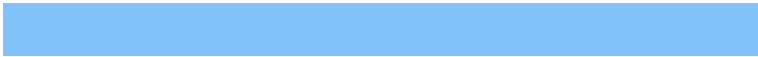
■ 7.3508, 0.1518,
0.0650

■ 7.1495, 0.1510,
0.0635

Harmonies

Analogous

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



50.0474, 0.2360, 0.2591



50.0474, 0.2643, 0.2540



50.0474, 0.3074, 0.2661

Triad

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



50.0474, 0.2643, 0.2540



50.0474, 0.4069, 0.3645



50.0474, 0.2686, 0.3698

Complementary

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



50.0474, 0.2643, 0.2540



86.4692, 0.3563, 0.3943

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.



50.0474, 0.3124, 0.4049



50.0474, 0.2643, 0.2540



50.0474, 0.3934, 0.3969

Square

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



50.0474, 0.2643, 0.2540



50.0474, 0.3928, 0.3269



50.0474, 0.3582, 0.4138



50.0474, 0.2381, 0.3230

Rectangle

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



50.0474, 0.2643, 0.2540



50.0474, 0.3396, 0.2821



50.0474, 0.3582, 0.4138



50.0474, 0.2822, 0.3838

Sweetspot

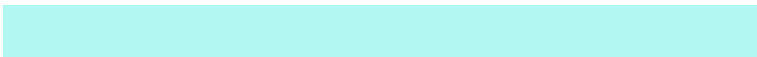
The Sweet Spot groups the original color and five complimentary colors.



50.0494, 0.2643, 0.2540



84.8568, 0.3003, 0.3100



82.3508, 0.2749, 0.3353



17.5907, 0.2978, 0.3062



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.



50.0494, 0.2643, 0.2540



46.0947, 0.2520, 0.2346



51.7720, 0.2846, 0.2525



16.1210, 0.2979, 0.3063



3.8549, 0.1513, 0.0646



0.4051, 0.1544, 0.0756

Inverse Universe

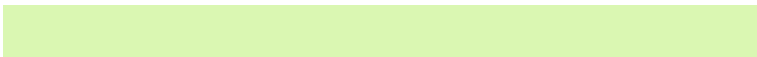
The Inverse Universe completely reimagines the original color for something new.



55.0234, 0.3696, 0.3237



52.4569, 0.3874, 0.3226



84.6790, 0.3351, 0.4038



16.5021, 0.3282, 0.3273



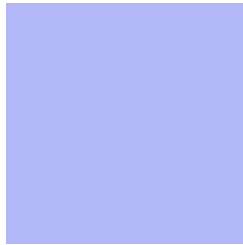
10.4885, 0.6323, 0.3257



0.9285, 0.6140, 0.3156

Previews

White Background



This preview shows how the Yxy color 50.0474, 0.2643, 0.2540 looks on a white background.

Color Contrast Check

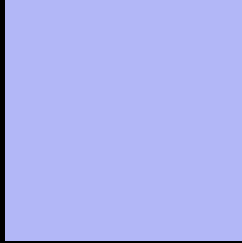
Large Text (above 18pt) WCAG AA × Fail

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 50.0474, 0.2643, 0.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

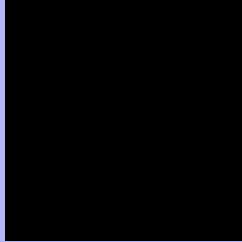
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0474, 0.2643, 0.2540

Background



This preview shows how black text looks on a background with the Yxy color 50.0474, 0.2643, 0.2540.



This preview shows how white text looks on a background with the Yxy color 50.0474, 0.2643, 0.2540.

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

50.0474, 0.2643, 0.2540

Protanopia

50.0835, 0.2581, 0.2533

Deuteranopia

49.8806, 0.2611, 0.2545



Tritanopia

50.2639, 0.2856, 0.3098

Trichromacy



Original Color

50.0474, 0.2643, 0.2540

Protanomaly

49.9425, 0.2605, 0.2535

Deuteranomaly

50.1103, 0.2624, 0.2548

Tritanomaly

50.0711, 0.2776, 0.2880

Monochromacy



Original Color

50.0474, 0.2643, 0.2540

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.5081, 0.2940, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0474, 0.2643, 0.2540 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(178, 183, 247)` looks like.

```
.text, #text, p{  
    color:rgb(178, 183, 247)  
}
```

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(178, 183, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 183, 247) }
```

Border

The CSS property to change the border of an element to Yxy 50.0474, 0.2643, 0.2540 is called "border". The border property can be set on classes, ids or directly on the HTML element.

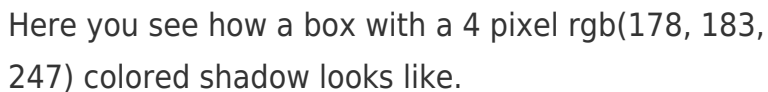
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 183, 247) }
```

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

```
.border{ border-color:rgb(178, 183, 247) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 183, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 183, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 183, 247); box-shadow:4px 4px 4px 4px rgb(178, 183, 247) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0474, 0.2643, 0.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 183, 247) }
```

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

```
.background{ background-color: rgb(178,  
183, 247) }
```

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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