

# Converting Colors

Yxy(50.9886, 0.2587, 0.2476)

Have a look what the booklet for  
Yxy(50.9886, 0.2587, 0.2476)  
contains.

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# Color

**Yxy(51.1480, 0.2586, 0.2481)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0B9FF
RGB	176, 185, 255
RGB Percent	69%, 73%, 100%
CMY	0.3097, 0.2745, 0.0000
CMYK	0.31, 0.27, 0.00, 0.00
HSL	233°, 100%, 85%
HSV	233°, 31%, 100%
XYZ	53.3127, 51.1480, 101.6981
YIQ	190.2890, -27.8340, 19.8620

# Conversions

## Conversions Part 2

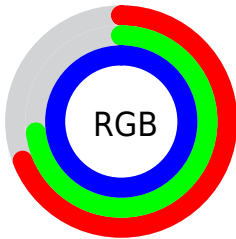
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 184, 255
Decimal	11581951
CIE <sub>Lab</sub>	76.77, 12.49, -35.55
CIE <sub>LCh</sub>	77, 37.684, 289.351
Yxy	51.1480, 0.2586, 0.2481
Android (android.graphics.Color)	4289772031 (0xFFB0B9FF)
YUV	190.2890, 31.9025, -12.5315
Hunter-Lab	71.5178, 7.9059, -34.2477

# Details

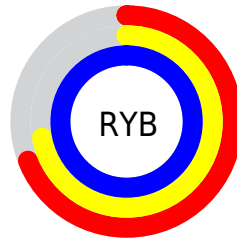
The Yxy color **51.1480, 0.2586, 0.2481** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.3337, 0.3621, 0.3987**, and the grayscale version is **51.4943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4542, 0.2993, 0.3150**, and **24.6447, 0.2443, 0.2287** is the 20% darker color. If you saturate the color by 10%, you get **39.7304, 0.2383, 0.2166**, and if you desaturate by 10%, it is **64.6274, 0.2778, 0.2773**.

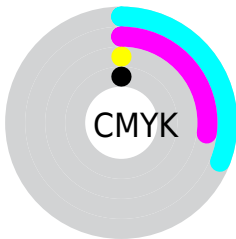
# Distribution



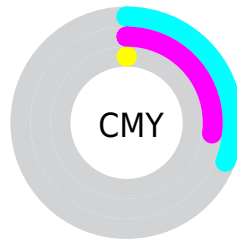
- Red (69%)
- Green (73%)
- Blue (100%)



- Red (69%)
- Yellow (72%)
- Blue (100%)



- Cyan (31%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (27%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1480, 0.2586, 0.2481 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 51.1480, 0.2586, 0.2481 by changing the saturation by 10% instead.



■ 51.1480, 0.2586,  
0.2481

■ 51.1480, 0.2586,  
0.2481

■ 391.1385, 0.2849,  
0.2860

■ 36.3264, 0.2523,  
0.2395

■ 91.8735, 0.2679,  
0.2613

■ 24.6864, 0.2445,  
0.2288

■ 118.5462, 0.2715,  
0.2664

■ 15.8436, 0.2345,  
0.2155

■ 149.9381, 0.2746,  
0.2708

■ 9.4135, 0.2212,  
0.1982

■ 186.4335, 0.2772,  
0.2746

■ 5.0119, 0.2029,  
0.1754

■ 228.4168, 0.2795,  
0.2780

■ 2.2542, 0.1767,  
0.1442

■ 276.2725, 0.2815,


■ 0.7493, 0.1377,


0.2809

0.1002

330.3850, 0.2833,  
0.2836

 0.0000, 0.0000,  
0.0000


 51.1480, 0.2586,  
0.2481

 51.1480, 0.2586,  
0.2481

 39.7304, 0.2383,  
0.2166


 64.6274, 0.2778,  
0.2773


 30.2729, 0.2177,  
0.1838


 80.2644, 0.2954,  
0.3036

 22.6644, 0.1979,  
0.1514

 98.1478, 0.3113,  
0.3269

 16.7825, 0.1803,  
0.1214

 100.0000, 0.3127,  
0.3290

 12.4899, 0.1662,  
0.0961

■ 9.6281, 0.1567,  
0.0773

■ 8.0950, 0.1518,  
0.0665

# Harmonies

## Analogous

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



51.1480, 0.2291, 0.2541



51.1480, 0.2586, 0.2481



51.1480, 0.3045, 0.2604

# Triad

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



51.1480, 0.2586, 0.2481



51.1480, 0.4148, 0.3650



51.1480, 0.2667, 0.3755

# Complementary

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



51.1480, 0.2586, 0.2481



90.3337, 0.3621, 0.3987

# 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.



51.1480, 0.3142, 0.4130



51.1480, 0.2586, 0.2481



51.1480, 0.4012, 0.4008

# Square

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



51.1480, 0.2586, 0.2481



51.1480, 0.3984, 0.3246



51.1480, 0.3637, 0.4208



51.1480, 0.2331, 0.3244



# Rectangle

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



51.1480, 0.2586, 0.2481



51.1480, 0.3394, 0.2772



51.1480, 0.3637, 0.4208



51.1480, 0.2815, 0.3906

# Sweetspot

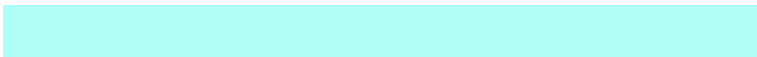
The Sweet Spot groups the original color and five complimentary colors.



51.1478, 0.2586, 0.2481



83.6024, 0.2987, 0.3085



87.3948, 0.2725, 0.3389



17.3642, 0.2963, 0.3049



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.



51.1478, 0.2586, 0.2481



44.0196, 0.2465, 0.2293



51.4491, 0.2789, 0.2427



17.7093, 0.2979, 0.3072



4.3347, 0.1522, 0.0679



0.5243, 0.1562, 0.0821



# Inverse Universe

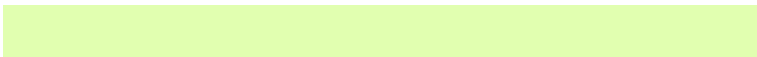
The Inverse Universe completely reimagines the original color for something new.



55.8261, 0.3754, 0.3198



49.5813, 0.3932, 0.3180



90.6200, 0.3392, 0.4122



18.0206, 0.3276, 0.3263



11.1656, 0.6267, 0.3226

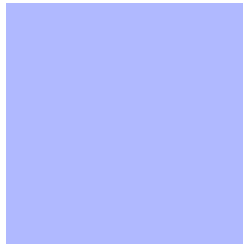


1.0975, 0.6035, 0.3098



# Previews

## White Background



This preview shows how the Yxy color 51.1480, 0.2586, 0.2481 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

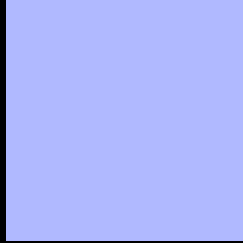
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.1480, 0.2586, 0.2481 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 51.1480, 0.2586, 0.2481**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.1480, 0.2586, 0.2481.



This preview shows how white text looks on a background with the Yxy color 51.1480, 0.2586, 0.2481.

# 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

51.1480, 0.2586, 0.2481

### Protanopia

51.3067, 0.2550, 0.2497

### Deuteranopia

50.9957, 0.2555, 0.2487



## Tritanopia

51.2940, 0.2810, 0.3098

# Trichromacy



## Original Color

51.1480, 0.2586, 0.2481

## Protanomaly

51.1085, 0.2562, 0.2488

## Deuteranomaly

51.2220, 0.2568, 0.2489

## Tritanomaly

51.2986, 0.2726, 0.2858

# Monochromacy



## Original Color

51.1480, 0.2586, 0.2481

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

51.1358, 0.2913, 0.2971

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.1480, 0.2586, 0.2481 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(176, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 185, 255)  
}
```

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(176, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 185, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 51.1480, 0.2586, 0.2481 is called "border". The border property can be set on classes, ids or directly on the HTML element.

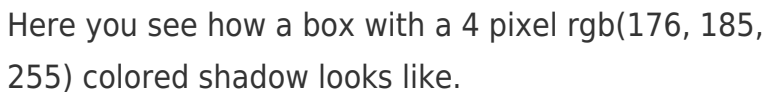
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 185, 255) }
```

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

```
.border{ border-color:rgb(176, 185, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 185,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.1480, 0.2586, 0.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 185, 255) }
```

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

```
.background{ background-color: rgb(176,  
185, 255) }
```

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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