

Converting Colors

$Y_{xy}(52.5227, 0.2550, 0.2441)$

Have a look what the booklet for
Yxy(52.5227, 0.2550, 0.2441)
contains.

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Color

Yxy(51.9908, 0.2589, 0.2505)

Conversions

Conversions Part 1

Format	Color
Hex	B0BBFF
RGB	176, 187, 255
RGB Percent	69%, 73%, 100%
CMY	0.3096, 0.2667, 0.0000
CMYK	0.31, 0.27, 0.00, 0.00
HSL	232°, 100%, 85%
HSV	232°, 31%, 100%
XYZ	53.7342, 51.9908, 101.8231
YIQ	191.4630, -28.3840, 18.8160

Conversions

Conversions Part 2

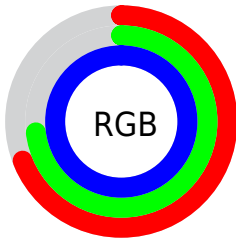
Format	Color
R _Y B	176, 186, 255
Decimal	11582463
CIE Lab	77.28, 11.39, -34.76
CIE LCh	77, 36.578, 288.137
Yxy	51.9908, 0.2589, 0.2505
Android (android.graphics.Color)	4289772543 (0xFFB0BBFF)
YUV	191.4630, 31.3237, -13.5611
Hunter-Lab	72.1046, 6.8396, -33.2536

Details

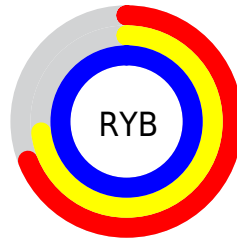
The Yxy color **51.9908, 0.2589, 0.2505** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.1333, 0.3627, 0.3969**, and the grayscale version is **52.2144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6448, 0.2993, 0.3170**, and **25.1924, 0.2448, 0.2318** is the 20% darker color. If you saturate the color by 10%, you get **40.6747, 0.2389, 0.2199**, and if you desaturate by 10%, it is **65.2927, 0.2779, 0.2789**.

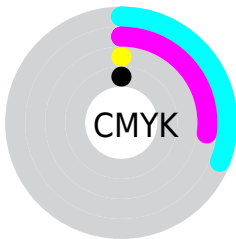
Distribution



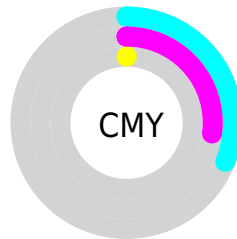
- Red (69%)
- Green (73%)
- Blue (100%)



- Red (69%)
- Yellow (73%)
- 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 51.9908, 0.2589, 0.2505 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 51.9908, 0.2589, 0.2505 by changing the saturation by 10% instead.

■ 51.9908, 0.2589,
0.2505

■ 51.9908, 0.2589,
0.2505

394.4011, 0.2850,
0.2872

■ 36.9977, 0.2527,
0.2421

■ 93.1177, 0.2681,
0.2633

■ 25.2057, 0.2450,
0.2318

120.0203, 0.2717,
0.2682

■ 16.2304, 0.2351,
0.2188

151.6615, 0.2747,
0.2725

■ 9.6873, 0.2220,
0.2020

188.4258, 0.2773,
0.2762

■ 5.1922, 0.2040,
0.1797

230.6975, 0.2796,
0.2795

■ 2.3604, 0.1783,
0.1492

278.8610, 0.2816,

■ 0.8054, 0.1398,

0.2824

0.1062

333.3007, 0.2834,
0.2849

0.0000, 0.0000,
0.0000

51.9908, 0.2589,
0.2505

51.9908, 0.2589,
0.2505

40.6747, 0.2389,
0.2199

65.2927, 0.2779,
0.2789

31.2456, 0.2185,
0.1879

80.6668, 0.2954,
0.3044

23.6004, 0.1990,
0.1560

98.1978, 0.3113,
0.3270

17.6250, 0.1815,
0.1262

100.0000, 0.3127,
0.3290

13.1917, 0.1674,
0.1006

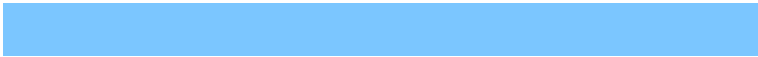
■ 10.1534, 0.1577,
0.0809

■ 8.4420, 0.1525,
0.0690

Harmonies

Analogous

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



51.9908, 0.2310, 0.2572



51.9908, 0.2589, 0.2505



51.9908, 0.3028, 0.2617

Triad

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



51.9908, 0.2589, 0.2505



51.9908, 0.4112, 0.3625



51.9908, 0.2700, 0.3757

Complementary

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



51.9908, 0.2589, 0.2505



89.1333, 0.3627, 0.3969

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.



51.9908, 0.3163, 0.4108



51.9908, 0.2589, 0.2505



51.9908, 0.3993, 0.3974

Square

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



51.9908, 0.2589, 0.2505



51.9908, 0.3942, 0.3234



51.9908, 0.3639, 0.4173



51.9908, 0.2367, 0.3266

Rectangle

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



51.9908, 0.2589, 0.2505



51.9908, 0.3365, 0.2776



51.9908, 0.3639, 0.4173



51.9908, 0.2845, 0.3900

Sweetspot

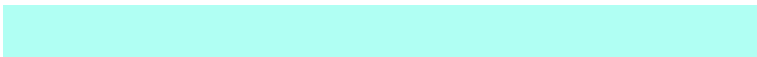
The Sweet Spot groups the original color and five complimentary colors.



51.9918, 0.2589, 0.2505



83.9328, 0.2987, 0.3090



87.2363, 0.2738, 0.3419



17.4448, 0.2963, 0.3056



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.



51.9918, 0.2589, 0.2505



44.9267, 0.2469, 0.2322



51.0820, 0.2769, 0.2422



17.7836, 0.2979, 0.3079



4.5339, 0.1530, 0.0707



0.5591, 0.1575, 0.0868

Inverse Universe

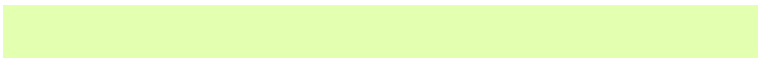
The Inverse Universe completely reimagines the original color for something new.



55.9170, 0.3735, 0.3177



49.6728, 0.3908, 0.3155



91.0471, 0.3409, 0.4117



18.0281, 0.3272, 0.3257



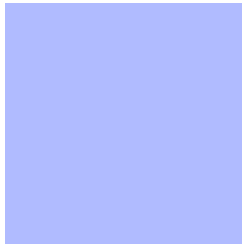
11.1857, 0.6221, 0.3201



1.1010, 0.5962, 0.3058

Previews

White Background



This preview shows how the Yxy color 51.9908, 0.2589, 0.2505 looks on a white background.

Color Contrast Check

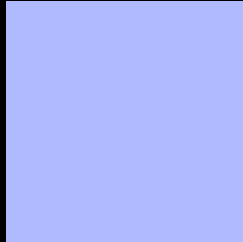
Large Text (above 18pt) WCAG AA × Fail

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 51.9908, 0.2589, 0.2505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

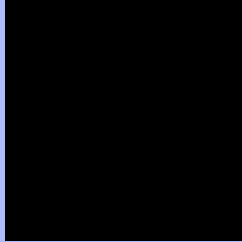
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.9908, 0.2589, 0.2505

Background



This preview shows how black text looks on a background with the Yxy color 51.9908, 0.2589, 0.2505.



This preview shows how white text looks on a background with the Yxy color 51.9908, 0.2589, 0.2505.

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

51.9908, 0.2589, 0.2505

Protanopia

51.9571, 0.2565, 0.2512

Deuteranopia

52.0707, 0.2571, 0.2513



Tritanopia

51.9489, 0.2805, 0.3086

Trichromacy



Original Color

51.9908, 0.2589, 0.2505

Protanomaly

52.0707, 0.2571, 0.2513

Deuteranomaly

52.1851, 0.2577, 0.2515

Tritanomaly

51.7914, 0.2721, 0.2859

Monochromacy



Original Color

51.9908, 0.2589, 0.2505

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

52.1211, 0.2921, 0.2997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9908, 0.2589, 0.2505 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, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 187, 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, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 187, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.9908, 0.2589, 0.2505 is called "border". The border property can be set on classes, ids or directly on the HTML element.

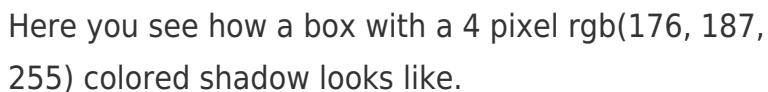
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 187, 255) }
```

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

```
.border{ border-color:rgb(176, 187, 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, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 187,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9908, 0.2589, 0.2505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 187, 255) }
```

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

```
.background{ background-color: rgb(176,  
187, 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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