

Converting Colors

$Yxy(51.5113, 0.2539, 0.2507)$

Have a look what the booklet for
Yxy(51.5113, 0.2539, 0.2507)
contains.

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Color

Yxy(51.5113, 0.2539, 0.2507)

Conversions

Conversions Part 1

Format	Color
Hex	A8BCFF
RGB	168, 188, 255
RGB Percent	66%, 74%, 100%
CMY	0.3414, 0.2627, 0.0000
CMYK	0.34, 0.26, 0.00, 0.00
HSL	226°, 100%, 83%
HSV	226°, 34%, 100%
XYZ	52.1688, 51.5113, 101.7898
YIQ	189.6580, -33.4270, 16.5970

Conversions

Conversions Part 2

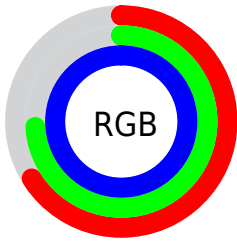
Format	Color
RYB	168, 184, 255
Decimal	11058431
CIELab	76.99, 8.57, -35.24
CIELCh	77, 36.263, 283.673
Yxy	51.5113, 0.2539, 0.2507
Android (android.graphics.Color)	4289248511 (0xFFA8BCFF)
YUV	189.6580, 32.2136, -18.9941
Hunter-Lab	71.7714, 4.1473, -33.8481

Details

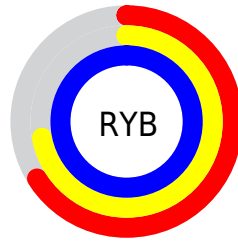
The Yxy color **51.5113, 0.2539, 0.2507** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.4402, 0.3706, 0.3965**, and the grayscale version is **51.1065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9289, 0.2944, 0.3178**, and **24.9159, 0.2388, 0.2319** is the 20% darker color. If you saturate the color by 10%, you get **41.1652, 0.2346, 0.2228**, and if you desaturate by 10%, it is **63.5489, 0.2726, 0.2766**.

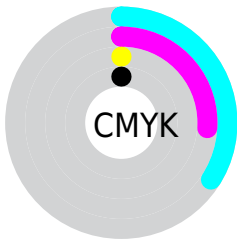
Distribution



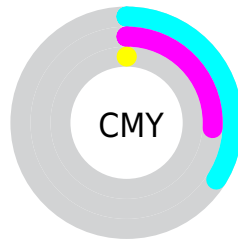
- Red (66%)
- Green (74%)
- Blue (100%)



- Red (66%)
- Yellow (72%)
- Blue (100%)



- Cyan (34%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5113, 0.2539, 0.2507 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 51.5113, 0.2539, 0.2507 by changing the saturation by 10% instead.

■ 51.5113, 0.2539,
0.2507

■ 51.5113, 0.2539,
0.2507

■ 392.5470, 0.2823,
0.2875

■ 36.6157, 0.2472,
0.2422

■ 92.4101, 0.2639,
0.2635

■ 24.9101, 0.2388,
0.2318

■ 119.1821, 0.2678,
0.2685

■ 16.0101, 0.2282,
0.2187

■ 150.6817, 0.2711,
0.2728

■ 9.5313, 0.2141,
0.2017

■ 187.2932, 0.2740,
0.2765

■ 5.0893, 0.1949,
0.1790

■ 229.4011, 0.2764,
0.2798

■ 2.2998, 0.1676,
0.1480

■ 277.3898, 0.2786,

■ 0.7736, 0.1276,

0.2827

0.1041

331.6436, 0.2806,
0.2852

0.0000, 0.0000,
0.0000

51.5113, 0.2539,
0.2507

51.5113, 0.2539,
0.2507

41.1652, 0.2346,
0.2228

63.5489, 0.2726,
0.2766

32.4269, 0.2155,
0.1936

77.3447, 0.2902,
0.3001

25.2140, 0.1974,
0.1644

92.9689, 0.3064,
0.3211

19.4340, 0.1815,
0.1366

99.9992, 0.3127,
0.3290

14.9836, 0.1688,
0.1119

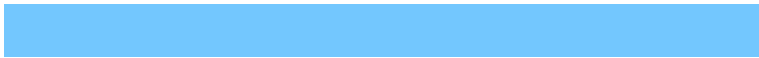
■ 11.7431, 0.1598,
0.0918

■ 10.3314, 0.1562,
0.0823

Harmonies

Analogous

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



51.5113, 0.2289, 0.2602



51.5113, 0.2539, 0.2507



51.5113, 0.2957, 0.2594

Triad

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



51.5113, 0.2539, 0.2507



51.5113, 0.4100, 0.3567



51.5113, 0.2765, 0.3820

Complementary

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



51.5113, 0.2539, 0.2507



83.4402, 0.3706, 0.3965

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.



51.5113, 0.3236, 0.4132



51.5113, 0.2539, 0.2507



51.5113, 0.4023, 0.3926

Square

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



51.5113, 0.2539, 0.2507



51.5113, 0.3889, 0.3177



51.5113, 0.3699, 0.4153



51.5113, 0.2409, 0.3340

Rectangle

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



51.5113, 0.2539, 0.2507



51.5113, 0.3289, 0.2739



51.5113, 0.3699, 0.4153



51.5113, 0.2915, 0.3952

Sweetspot

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



51.5133, 0.2539, 0.2507



83.5977, 0.2971, 0.3091



85.8092, 0.2739, 0.3516



17.4321, 0.2948, 0.3061



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.



51.5133, 0.2539, 0.2507



44.2428, 0.2407, 0.2317



46.2953, 0.2670, 0.2308



18.0578, 0.2979, 0.3102



5.5842, 0.1569, 0.0848



0.7009, 0.1625, 0.1050

Inverse Universe

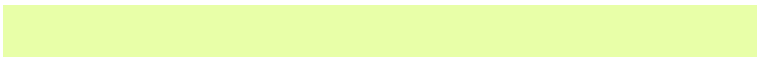
The Inverse Universe completely reimagines the original color for something new.



52.8701, 0.3748, 0.3081



46.2952, 0.3933, 0.3039



91.4549, 0.3485, 0.4193



18.0557, 0.3258, 0.3235



11.2917, 0.5994, 0.3076



1.1153, 0.5684, 0.2905

Previews

White Background



This preview shows how the Yxy color 51.5113, 0.2539, 0.2507 looks on a white background.

Color Contrast Check

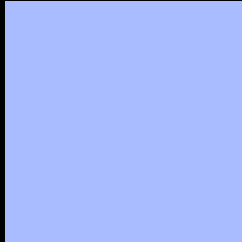
Large Text (above 18pt) WCAG AA × Fail

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 51.5113, 0.2539, 0.2507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

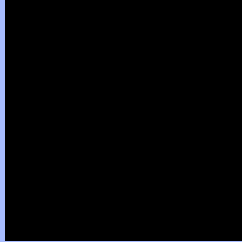
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.5113, 0.2539, 0.2507

Background



This preview shows how black text looks on a background with the Yxy color 51.5113, 0.2539, 0.2507.



This preview shows how white text looks on a background with the Yxy color 51.5113, 0.2539, 0.2507.

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

51.5113, 0.2539, 0.2507

Protanopia

51.3543, 0.2562, 0.2508

Deuteranopia

51.5313, 0.2563, 0.2500



Tritanopia

51.5024, 0.2737, 0.3083

Trichromacy



Original Color

51.5113, 0.2539, 0.2507

Protanomaly

51.2425, 0.2556, 0.2507

Deuteranomaly

51.4186, 0.2557, 0.2499

Tritanomaly

51.4227, 0.2662, 0.2854

Monochromacy



Original Color

51.5113, 0.2539, 0.2507

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.1953, 0.2890, 0.2982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5113, 0.2539, 0.2507 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(168, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 188, 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(168, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 188, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.5113, 0.2539, 0.2507 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(168, 188, 255) }
```

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

```
.border{ border-color:rgb(168, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 188,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5113, 0.2539, 0.2507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 188, 255) }
```

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

```
.background{ background-color: rgb(168,  
188, 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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