

Converting Colors

Yxy(56.1528, 0.2137, 0.1836)

Have a look what the booklet for
Yxy(56.1528, 0.2137, 0.1836)
contains.

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Color

Yxy(49.9287, 0.2470, 0.2481)

Conversions

Conversions Part 1

Format	Color
Hex	9DBBFF
RGB	157, 187, 255
RGB Percent	62%, 73%, 100%
CMY	0.3847, 0.2665, 0.0001
CMYK	0.38, 0.27, 0.00, 0.00
HSL	222°, 100%, 81%
HSV	222°, 38%, 100%
XYZ	49.7073, 49.9287, 101.6082
YIQ	185.7820, -39.7080, 14.7880

Conversions

Conversions Part 2

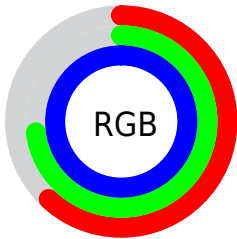
Format	Color
R _Y B	157, 180, 255
Decimal	10337279
CIE Lab	76.03, 6.18, -36.78
CIE LCh	76, 37.293, 279.534
Yxy	49.9287, 0.2470, 0.2481
Android (android.graphics.Color)	4288527359 (0xFF9DBBFF)
YUV	185.7820, 34.1245, -25.2418
Hunter-Lab	70.6602, 1.9139, -35.7958

Details

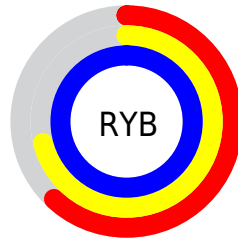
The Yxy color **49.9287, 0.2470, 0.2481** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.4572, 0.3814, 0.3981**, and the grayscale version is **48.7882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6173, 0.2878, 0.3165**, and **23.9522, 0.2306, 0.2283** is the 20% darker color. If you saturate the color by 10%, you get **40.5885, 0.2286, 0.2224**, and if you desaturate by 10%, it is **60.7298, 0.2653, 0.2722**.

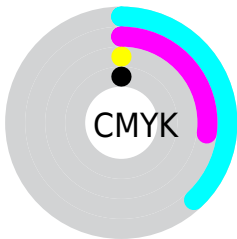
Distribution



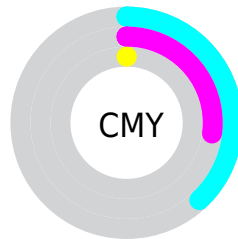
- Red (62%)
- Green (73%)
- Blue (100%)



- Red (62%)
- Yellow (71%)
- Blue (100%)



- Cyan (38%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9287, 0.2470, 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 49.9287, 0.2470, 0.2481 by changing the saturation by 10% instead.

■ 49.9287, 0.2470,
0.2481

■ 49.9287, 0.2470,
0.2481

■ 386.3871, 0.2787,
0.2864

■ 35.3567, 0.2395,
0.2393

■ 90.0692, 0.2582,
0.2615

■ 23.9378, 0.2302,
0.2283

■ 116.4066, 0.2625,
0.2667

■ 15.2875, 0.2184,
0.2146

■ 147.4345, 0.2662,
0.2711

■ 9.0214, 0.2028,
0.1967

■ 183.5375, 0.2694,
0.2750

■ 4.7551, 0.1818,
0.1730

■ 225.0998, 0.2722,
0.2784

■ 2.1043, 0.1522,
0.1405

■ 272.5059, 0.2746,

■ 0.6671, 0.1100,

0.2814

0.0935

326.1402, 0.2768,
0.2840

0.0000, 0.0000,
0.0000

49.9287, 0.2470,
0.2481

49.9287, 0.2470,
0.2481

40.5885, 0.2286,
0.2224

60.7298, 0.2653,
0.2722

32.6365, 0.2107,
0.1956

73.0483, 0.2829,
0.2942

26.0020, 0.1943,
0.1689

86.9445, 0.2996,
0.3140

20.6047, 0.1803,
0.1434

99.9988, 0.3127,
0.3290

16.3539, 0.1692,
0.1203

■ 13.1348, 0.1616,
0.1009

■ 12.7146, 0.1606,
0.0982

Harmonies

Analogous

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



49.9287, 0.2240, 0.2606



49.9287, 0.2470, 0.2481



49.9287, 0.2882, 0.2547

Triad

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



49.9287, 0.2470, 0.2481



49.9287, 0.4126, 0.3518



49.9287, 0.2813, 0.3902

Complementary

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



49.9287, 0.2470, 0.2481



77.4572, 0.3814, 0.3981

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.



49.9287, 0.3308, 0.4189



49.9287, 0.2470, 0.2481



49.9287, 0.4085, 0.3901

Square

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



49.9287, 0.2470, 0.2481



49.9287, 0.3867, 0.3118



49.9287, 0.3778, 0.4166



49.9287, 0.2422, 0.3412

Rectangle

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



49.9287, 0.2470, 0.2481



49.9287, 0.3222, 0.2683



49.9287, 0.3778, 0.4166



49.9287, 0.2972, 0.4029

Sweetspot

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



49.9306, 0.2470, 0.2481



81.8633, 0.2938, 0.3073



84.0436, 0.2737, 0.3646



17.1299, 0.2917, 0.3047



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.



49.9306, 0.2470, 0.2481



42.7673, 0.2331, 0.2288



40.3994, 0.2539, 0.2149



18.2878, 0.2979, 0.3120



6.8751, 0.1614, 0.1010



0.8531, 0.1675, 0.1231

Inverse Universe

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



48.9259, 0.3787, 0.2977



42.3966, 0.3984, 0.2917



91.9433, 0.3582, 0.4291



18.0790, 0.3246, 0.3217



11.4220, 0.5743, 0.2937



1.1307, 0.5423, 0.2761

Previews

White Background



This preview shows how the Yxy color 49.9287, 0.2470, 0.2481 looks on a white background.

Color Contrast Check

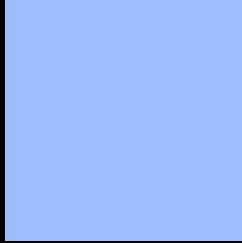
Large Text (above 18pt) WCAG AA × Fail

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 49.9287, 0.2470, 0.2481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

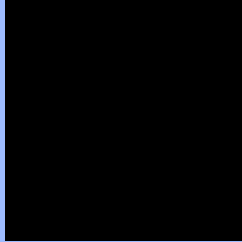
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

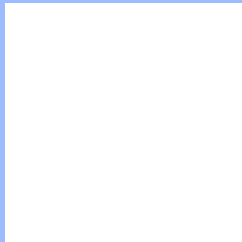
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9287, 0.2470, 0.2481

Background



This preview shows how black text looks on a background with the Yxy color 49.9287, 0.2470, 0.2481.



This preview shows how white text looks on a background with the Yxy color 49.9287, 0.2470, 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

49.9287, 0.2470, 0.2481

Protanopia

50.0053, 0.2539, 0.2489

Deuteranopia

50.0249, 0.2522, 0.2468



Tritanopia

49.8444, 0.2663, 0.3078

Trichromacy



Original Color

49.9287, 0.2470, 0.2481

Protanomaly

50.0601, 0.2510, 0.2486

Deuteranomaly

50.1243, 0.2505, 0.2476

Tritanomaly

49.7294, 0.2590, 0.2843

Monochromacy



Original Color

49.9287, 0.2470, 0.2481

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.9349, 0.2856, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9287, 0.2470, 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(157, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 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(157, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 187, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.9287, 0.2470, 0.2481 is called "border". The border property can be set on classes, ids or directly on the HTML element.

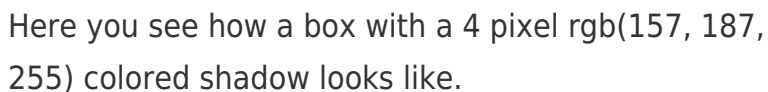
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 187, 255) }
```

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

```
.border{ border-color:rgb(157, 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(157, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 187, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 187, 255); box-shadow:4px 4px 4px 4px rgb(157, 187, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9287, 0.2470, 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(157, 187, 255) }
```

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

```
.background{ background-color: rgb(157,  
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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