

Converting Colors

$Y_{xy}(49.4097, 0.2491, 0.2459)$

Have a look what the booklet for
Yxy(49.4097, 0.2491, 0.2459)
contains.

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Color

Yxy(49.4950, 0.2491, 0.2461)

Conversions

Conversions Part 1

Format	Color
Hex	A1B9FF
RGB	161, 185, 255
RGB Percent	63%, 73%, 100%
CMY	0.3686, 0.2745, 0.0000
CMYK	0.37, 0.27, 0.00, 0.00
HSL	225°, 100%, 82%
HSV	225°, 37%, 100%
XYZ	50.0984, 49.4950, 101.5241
YIQ	185.8040, -36.7740, 16.6820

Conversions

Conversions Part 2

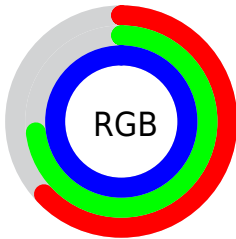
Format	Color
RYB	161, 180, 255
Decimal	10598911
CIELab	75.76, 8.38, -37.18
CIELCh	76, 38.118, 282.703
Yxy	49.4950, 0.2491, 0.2461
Android (android.graphics.Color)	4288788991 (0xFFA1B9FF)
YUV	185.8040, 34.1136, -21.7531
Hunter-Lab	70.3527, 3.9932, -36.3129

Details

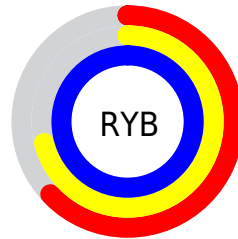
The Yxy color **49.4950, 0.2491, 0.2461** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.9906, 0.3764, 0.3998**, and the grayscale version is **48.8103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0360, 0.2901, 0.3145**, and **23.6439, 0.2329, 0.2257** is the 20% darker color. If you saturate the color by 10%, you get **39.6894, 0.2301, 0.2187**, and if you desaturate by 10%, it is **60.9052, 0.2678, 0.2718**.

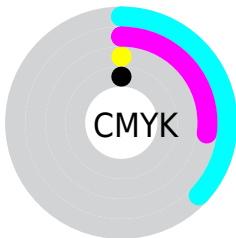
Distribution



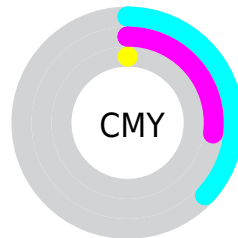
- Red (63%)
- Green (73%)
- Blue (100%)



- Red (63%)
- Yellow (71%)
- Blue (100%)



- Cyan (37%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4950, 0.2491, 0.2461 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 49.4950, 0.2491, 0.2461 by changing the saturation by 10% instead.

■ 49.4950, 0.2491,
0.2461

■ 49.4950, 0.2491,
0.2461

■ 384.6878, 0.2799,
0.2853

■ 35.0123, 0.2418,
0.2371

■ 89.4262, 0.2600,
0.2598

■ 23.6724, 0.2327,
0.2260

■ 115.6435, 0.2642,
0.2651

■ 15.0908, 0.2211,
0.2120

■ 146.5411, 0.2678,
0.2696

■ 8.8831, 0.2058,
0.1939

■ 182.5034, 0.2709,
0.2736

■ 4.6650, 0.1851,
0.1699

■ 223.9149, 0.2736,
0.2770

■ 2.0521, 0.1558,
0.1372

■ 271.1598, 0.2759,

■ 0.6375, 0.1138,

0.2801


0.0895


324.6226, 0.2780,
0.2828


 0.0000, 0.0000,
0.0000


 49.4950, 0.2491,
0.2461

 49.4950, 0.2491,
0.2461


 39.6894, 0.2301,
0.2187


 60.9052, 0.2678,
0.2718

 31.4090, 0.2114,
0.1902

 73.9851, 0.2856,
0.2951

 24.5740, 0.1941,
0.1618

 88.8017, 0.3021,
0.3161

 19.0952, 0.1791,
0.1351

100.0000, 0.3127,
0.3290

 14.8718, 0.1674,
0.1114

■ 11.7851, 0.1594,
0.0921

■ 11.0108, 0.1575,
0.0869

Harmonies

Analogous

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



49.4950, 0.2235, 0.2566



49.4950, 0.2491, 0.2461



49.4950, 0.2928, 0.2548

Triad

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



49.4950, 0.2491, 0.2461



49.4950, 0.4161, 0.3566



49.4950, 0.2755, 0.3872

Complementary

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



49.4950, 0.2491, 0.2461



80.9906, 0.3764, 0.3998

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.



49.4950, 0.3257, 0.4197



49.4950, 0.2491, 0.2461



49.4950, 0.4087, 0.3950

Square

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



49.4950, 0.2491, 0.2461



49.4950, 0.3927, 0.3155



49.4950, 0.3747, 0.4204



49.4950, 0.2373, 0.3358

Rectangle

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



49.4950, 0.2491, 0.2461



49.4950, 0.3281, 0.2697



49.4950, 0.3747, 0.4204



49.4950, 0.2915, 0.4011

Sweetspot

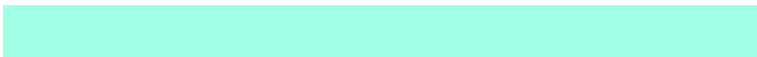
The Sweet Spot groups the original color and five complimentary colors.



49.4966, 0.2491, 0.2461



82.4509, 0.2954, 0.3077



84.8077, 0.2728, 0.3574



17.2170, 0.2932, 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.



49.4966, 0.2491, 0.2461



42.3337, 0.2355, 0.2266



42.7735, 0.2603, 0.2213



18.1312, 0.2979, 0.3108



5.9539, 0.1582, 0.0895



0.7460, 0.1640, 0.1105

Inverse Universe

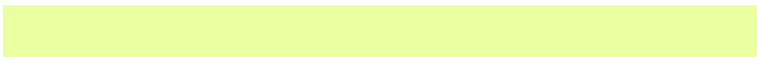
The Inverse Universe completely reimagines the original color for something new.



50.2562, 0.3796, 0.3040



43.8020, 0.3992, 0.2993



91.4288, 0.3533, 0.4260



18.0632, 0.3254, 0.3230



11.3290, 0.5919, 0.3034



1.1199, 0.5603, 0.2860

Previews

White Background



This preview shows how the Yxy color 49.4950, 0.2491, 0.2461 looks on a white background.

Color Contrast Check

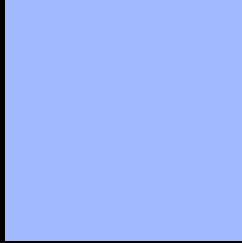
Large Text (above 18pt) WCAG AA × Fail

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 49.4950, 0.2491, 0.2461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

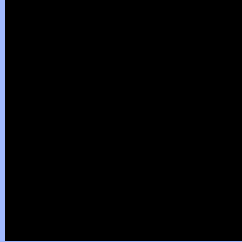
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4950, 0.2491, 0.2461

Background



This preview shows how black text looks on a background with the Yxy color 49.4950, 0.2491, 0.2461.



This preview shows how white text looks on a background with the Yxy color 49.4950, 0.2491, 0.2461.

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

49.4950, 0.2491, 0.2461

Protanopia

49.5437, 0.2526, 0.2465

Deuteranopia

49.5003, 0.2514, 0.2454



Tritanopia

49.6711, 0.2700, 0.3091

Trichromacy



Original Color

49.4950, 0.2491, 0.2461

Protanomaly

49.3292, 0.2513, 0.2463

Deuteranomaly

49.3935, 0.2508, 0.2453

Tritanomaly

49.6226, 0.2619, 0.2845

Monochromacy



Original Color

49.4950, 0.2491, 0.2461

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.1681, 0.2872, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4950, 0.2491, 0.2461 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(161, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 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(161, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 185, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.4950, 0.2491, 0.2461 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(161, 185, 255) }
```

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

```
.border{ border-color:rgb(161, 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(161, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 185,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4950, 0.2491, 0.2461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 185, 255) }
```

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

```
.background{ background-color: rgb(161,  
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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