

Converting Colors

$Y_{xy}(49.2232, 0.2375, 0.2336)$

Have a look what the booklet for
Yxy(49.2232, 0.2375, 0.2336)
contains.

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Color

Yxy(48.4972, 0.2431, 0.2448)

Conversions

Conversions Part 1

Format	Color
Hex	97B9FF
RGB	151, 185, 255
RGB Percent	59%, 73%, 100%
CMY	0.4079, 0.2745, 0.0000
CMYK	0.41, 0.27, 0.00, 0.00
HSL	220°, 100%, 80%
HSV	220°, 41%, 100%
XYZ	48.1604, 48.4972, 101.4519
YIQ	182.8140, -42.7340, 14.5620

Conversions

Conversions Part 2

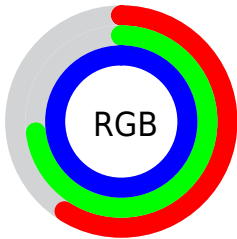
Format	Color
R_{YB}	151, 177, 255
Decimal	9943551
CIE Lab	75.14, 5.78, -38.21
CIE LCh	75, 38.644, 278.604
Yxy	48.4972, 0.2431, 0.2448
Android (android.graphics.Color)	4288133631 (0xFF97B9FF)
YUV	182.8140, 35.5877, -27.9009
Hunter-Lab	69.6399, 1.5742, -37.6261

Details

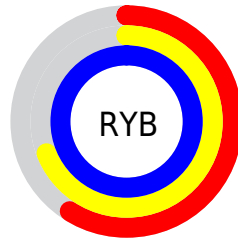
The Yxy color **48.4972, 0.2431, 0.2448** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.1889, 0.3869, 0.4003**, and the grayscale version is **47.0628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5405, 0.2841, 0.3143**, and **23.0126, 0.2253, 0.2238** is the 20% darker color. If you saturate the color by 10%, you get **39.5651, 0.2250, 0.2195**, and if you desaturate by 10%, it is **58.8233, 0.2613, 0.2686**.

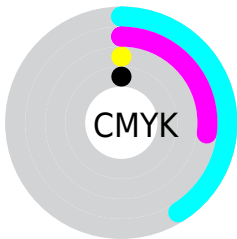
Distribution



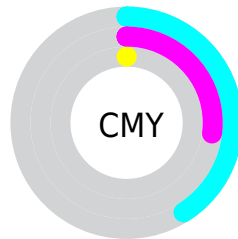
- Red (59%)
- Green (73%)
- Blue (100%)



- Red (59%)
- Yellow (69%)
- Blue (100%)



- Cyan (41%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4972, 0.2431, 0.2448 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 48.4972, 0.2431, 0.2448 by changing the saturation by 10% instead.

■ 48.4972, 0.2431,
0.2448

■ 48.4972, 0.2431,
0.2448

380.7595, 0.2768,
0.2848

■ 34.2208, 0.2352,
0.2356

■ 87.9442, 0.2550,
0.2588

■ 23.0633, 0.2253,
0.2241

■ 113.8836, 0.2596,
0.2642

■ 14.6402, 0.2127,
0.2097

144.4795, 0.2635,
0.2689

■ 8.5673, 0.1963,
0.1911

180.1162, 0.2669,
0.2729

■ 4.4600, 0.1740,
0.1663

221.1782, 0.2698,
0.2764

■ 1.9341, 0.1431,
0.1326

268.0498, 0.2724,

■ 0.5687, 0.0986,

0.2796

0.0823

321.1155, 0.2747,
0.2823

0.0000, 0.0000,
0.0000

48.4972, 0.2431,
0.2448

48.4972, 0.2431,
0.2448

39.5651, 0.2250,
0.2195

58.8233, 0.2613,
0.2686

31.9618, 0.2077,
0.1934

70.6037, 0.2790,
0.2905

25.6163, 0.1920,
0.1674

83.8949, 0.2958,
0.3102

20.4500, 0.1787,
0.1427

98.7506, 0.3115,
0.3277

16.3730, 0.1686,
0.1205

100.0000, 0.3127,
0.3290

■ 13.4717, 0.1620,
0.1030

Harmonies

Analogous

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



48.4972, 0.2199, 0.2582



48.4972, 0.2431, 0.2448



48.4972, 0.2854, 0.2512

Triad

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



48.4972, 0.2431, 0.2448



48.4972, 0.4168, 0.3512



48.4972, 0.2812, 0.3947

Complementary

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



48.4972, 0.2431, 0.2448



75.1889, 0.3869, 0.4003

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.



48.4972, 0.3330, 0.4237



48.4972, 0.2431, 0.2448



48.4972, 0.4134, 0.3913

Square

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



48.4972, 0.2431, 0.2448



48.4972, 0.3889, 0.3097



48.4972, 0.3818, 0.4200



48.4972, 0.2401, 0.3433

Rectangle

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



48.4972, 0.2431, 0.2448



48.4972, 0.3208, 0.2650



48.4972, 0.3818, 0.4200



48.4972, 0.2979, 0.4078

Sweetspot

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



48.4973, 0.2431, 0.2448



82.2112, 0.2938, 0.3079



83.2813, 0.2726, 0.3693



17.2114, 0.2917, 0.3054



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.



48.4973, 0.2431, 0.2448



41.0685, 0.2282, 0.2242



37.7036, 0.2483, 0.2066



18.3482, 0.2979, 0.3125



7.2800, 0.1628, 0.1059



0.8984, 0.1690, 0.1282

Inverse Universe

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



46.8876, 0.3824, 0.2936



40.1761, 0.4041, 0.2869



91.8722, 0.3619, 0.4347



18.0851, 0.3243, 0.3212



11.4629, 0.5670, 0.2897



1.1352, 0.5351, 0.2721

Previews

White Background



This preview shows how the Yxy color 48.4972, 0.2431, 0.2448 looks on a white background.

Color Contrast Check

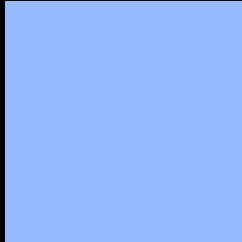
Large Text (above 18pt) WCAG AA × Fail

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 48.4972, 0.2431, 0.2448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

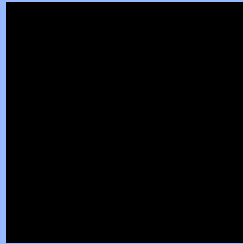
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

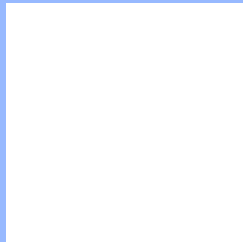
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.4972, 0.2431, 0.2448

Background



This preview shows how black text looks on a background with the Yxy color 48.4972, 0.2431, 0.2448.



This preview shows how white text looks on a background with the Yxy color 48.4972, 0.2431, 0.2448.

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

48.4972, 0.2431, 0.2448

Protanopia

48.4403, 0.2515, 0.2448

Deuteranopia

48.2530, 0.2486, 0.2424



Tritanopia

48.6760, 0.2629, 0.3087

Trichromacy



Original Color

48.4972, 0.2431, 0.2448

Protanomaly

48.3937, 0.2480, 0.2444

Deuteranomaly

48.2551, 0.2463, 0.2431

Tritanomaly

48.5922, 0.2550, 0.2837

Monochromacy



Original Color

48.4972, 0.2431, 0.2448

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.5424, 0.2839, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4972, 0.2431, 0.2448 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(151, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 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(151, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 185, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.4972, 0.2431, 0.2448 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(151, 185, 255) }
```

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

```
.border{ border-color:rgb(151, 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(151, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(151, 185,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4972, 0.2431, 0.2448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 185, 255) }
```

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

```
.background{ background-color: rgb(151,  
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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