

Converting Colors

$Yxy(48.9094, 0.2444, 0.2457)$

Have a look what the booklet for
Yxy(48.9094, 0.2444, 0.2457)
contains.

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Color

Yxy(49.1101, 0.2445, 0.2463)

Conversions

Conversions Part 1

Format	Color
Hex	99BAFF
RGB	153, 186, 255
RGB Percent	60%, 73%, 100%
CMY	0.3999, 0.2706, 0.0000
CMYK	0.40, 0.27, 0.00, 0.00
HSL	221°, 100%, 80%
HSV	221°, 40%, 100%
XYZ	48.7512, 49.1101, 101.5301
YIQ	183.9990, -41.8170, 14.4630

Conversions

Conversions Part 2

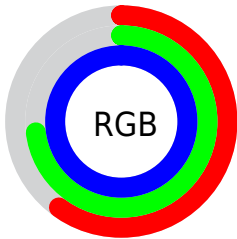
Format	Color
R _Y B	153, 178, 255
Decimal	10074879
CIE Lab	75.52, 5.76, -37.60
CIE LCh	76, 38.038, 278.705
Yxy	49.1101, 0.2445, 0.2463
Android (android.graphics.Color)	4288264959 (0xFF99BAFF)
YUV	183.9990, 35.0035, -27.1861
Hunter-Lab	70.0786, 1.5386, -36.8445

Details

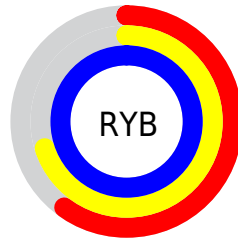
The Yxy color **49.1101, 0.2445, 0.2463** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.8217, 0.3851, 0.3993**, and the grayscale version is **47.7556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4259, 0.2853, 0.3154**, and **23.3937, 0.2269, 0.2258** is the 20% darker color. If you saturate the color by 10%, you get **40.0517, 0.2263, 0.2210**, and if you desaturate by 10%, it is **59.5784, 0.2627, 0.2701**.

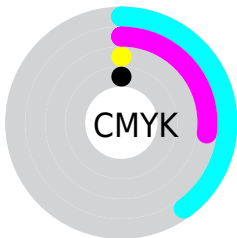
Distribution



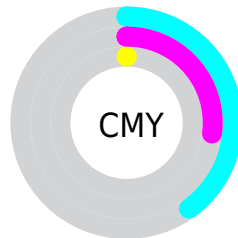
- Red (60%)
- Green (73%)
- Blue (100%)



- Red (60%)
- Yellow (70%)
- Blue (100%)



- Cyan (40%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1101, 0.2445, 0.2463 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 49.1101, 0.2445, 0.2463 by changing the saturation by 10% instead.

■ 49.1101, 0.2445,
0.2463

■ 49.1101, 0.2445,
0.2463

383.1756, 0.2774,
0.2856

■ 34.7068, 0.2367,
0.2372

■ 88.8550, 0.2561,
0.2600

■ 23.4371, 0.2271,
0.2260

■ 114.9653, 0.2606,
0.2653

■ 14.9166, 0.2148,
0.2119

145.7468, 0.2644,
0.2699

■ 8.7609, 0.1987,
0.1936

181.5839, 0.2677,
0.2739

■ 4.5855, 0.1769,
0.1692

222.8609, 0.2706,
0.2773

■ 2.0062, 0.1465,
0.1361

269.9623, 0.2732,

■ 0.6111, 0.1030,

0.2804

0.0872

323.2724, 0.2754,
0.2831

0.0000, 0.0000,
0.0000

49.1101, 0.2445,
0.2463

49.1101, 0.2445,
0.2463

40.0517, 0.2263,
0.2210

59.5784, 0.2627,
0.2701

32.3354, 0.2089,
0.1948

71.5148, 0.2804,
0.2919

25.8911, 0.1929,
0.1686

84.9768, 0.2971,
0.3116

20.6402, 0.1794,
0.1437

100.0000, 0.3127,
0.3290

16.4930, 0.1690,
0.1212

■ 13.3241, 0.1617,
0.1021

■ 13.3208, 0.1617,
0.1021

Harmonies

Analogous

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



49.1101, 0.2216, 0.2595



49.1101, 0.2445, 0.2463



49.1101, 0.2862, 0.2526

Triad

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



49.1101, 0.2445, 0.2463



49.1101, 0.4148, 0.3511



49.1101, 0.2817, 0.3931

Complementary

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



49.1101, 0.2445, 0.2463



75.8217, 0.3851, 0.3993

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.



49.1101, 0.3326, 0.4217



49.1101, 0.2445, 0.2463



49.1101, 0.4114, 0.3904

Square

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



49.1101, 0.2445, 0.2463



49.1101, 0.3875, 0.3103



49.1101, 0.3804, 0.4183



49.1101, 0.2413, 0.3429

Rectangle

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



49.1101, 0.2445, 0.2463



49.1101, 0.3209, 0.2662



49.1101, 0.3804, 0.4183



49.1101, 0.2981, 0.4060

Sweetspot

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



49.1109, 0.2445, 0.2463



82.1436, 0.2938, 0.3078



83.5162, 0.2732, 0.3683



17.1956, 0.2917, 0.3053



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.



49.1109, 0.2445, 0.2463



41.7439, 0.2299, 0.2261



38.5609, 0.2499, 0.2093



18.3365, 0.2979, 0.3124



7.1992, 0.1625, 0.1050



0.8894, 0.1687, 0.1272

Inverse Universe

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



47.5971, 0.3808, 0.2947



40.9108, 0.4018, 0.2882



91.9989, 0.3611, 0.4327



18.0839, 0.3243, 0.3213



11.4547, 0.5684, 0.2905



1.1343, 0.5365, 0.2729

Previews

White Background



This preview shows how the Yxy color 49.1101, 0.2445, 0.2463 looks on a white background.

Color Contrast Check

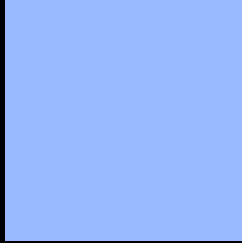
Large Text (above 18pt) WCAG AA × Fail

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 49.1101, 0.2445, 0.2463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

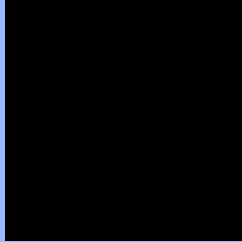
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

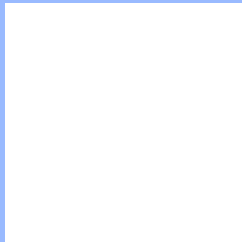
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1101, 0.2445, 0.2463

Background



This preview shows how black text looks on a background with the Yxy color 49.1101, 0.2445, 0.2463.



This preview shows how white text looks on a background with the Yxy color 49.1101, 0.2445, 0.2463.

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

49.1101, 0.2445, 0.2463

Protanopia

48.9582, 0.2523, 0.2462

Deuteranopia

48.8735, 0.2500, 0.2439



Tritanopia

48.9875, 0.2642, 0.3076

Trichromacy



Original Color

49.1101, 0.2445, 0.2463

Protanomaly

49.0138, 0.2495, 0.2459

Deuteranomaly

48.8719, 0.2477, 0.2446

Tritanomaly

48.8636, 0.2569, 0.2839

Monochromacy



Original Color

49.1101, 0.2445, 0.2463

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.2353, 0.2848, 0.2972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1101, 0.2445, 0.2463 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(153, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 186, 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(153, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.1101, 0.2445, 0.2463 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(153, 186, 255) }
```

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

```
.border{ border-color:rgb(153, 186, 255) }
```

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

Here you see how a box with a 4 pixel rgb(153, 186, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1101, 0.2445, 0.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 186, 255) }
```

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

```
.background{ background-color: rgb(153,  
186, 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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