

Converting Colors

$Y_{xy}(49.4827, 0.2411, 0.2332)$

Have a look what the booklet for
Yxy(49.4827, 0.2411, 0.2332)
contains.

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Color

Yxy(48.7701, 0.2471, 0.2445)

Conversions

Conversions Part 1

Format	Color
Hex	9EB8FF
RGB	158, 184, 255
RGB Percent	62%, 72%, 100%
CMY	0.3804, 0.2784, 0.0001
CMYK	0.38, 0.28, 0.00, 0.00
HSL	224°, 100%, 81%
HSV	224°, 38%, 100%
XYZ	49.2887, 48.7701, 101.4099
YIQ	184.3200, -38.2870, 16.5690

Conversions

Conversions Part 2

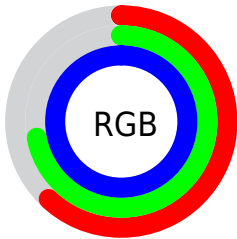
Format	Color
R_{YB}	158, 179, 255
Decimal	10402047
CIE _{Lab}	75.31, 8.13, -37.89
CIE _{LCh}	75, 38.751, 282.118
Yxy	48.7701, 0.2471, 0.2445
Android (android.graphics.Color)	4288592127 (0xFF9EB8FF)
YUV	184.3200, 34.8452, -23.0826
Hunter-Lab	69.8356, 3.7698, -37.2115

Details

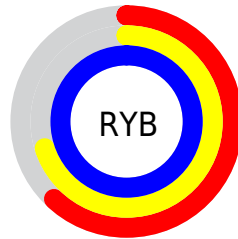
The Yxy color **48.7701, 0.2471, 0.2445** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.7541, 0.3791, 0.4009**, and the grayscale version is **47.9394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9872, 0.2882, 0.3134**, and **23.1934, 0.2304, 0.2236** is the 20% darker color. If you saturate the color by 10%, you get **39.2000, 0.2282, 0.2174**, and if you desaturate by 10%, it is **59.9030, 0.2657, 0.2699**.

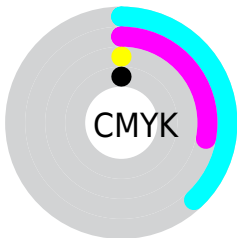
Distribution



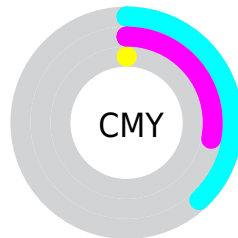
- Red (62%)
- Green (72%)
- Blue (100%)



- Red (62%)
- Yellow (70%)
- Blue (100%)



- Cyan (38%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7701, 0.2471, 0.2445 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 48.7701, 0.2471, 0.2445 by changing the saturation by 10% instead.

■ 48.7701, 0.2471,
0.2445

■ 48.7701, 0.2471,
0.2445

■ 381.8366, 0.2789,
0.2845

■ 34.4371, 0.2396,
0.2353

■ 88.3499, 0.2584,
0.2585

■ 23.2296, 0.2302,
0.2239

■ 114.3655, 0.2627,
0.2639

■ 14.7632, 0.2182,
0.2096

■ 145.0442, 0.2664,
0.2685

■ 8.6533, 0.2025,
0.1911

■ 180.7703, 0.2696,
0.2726

■ 4.5158, 0.1811,
0.1666

■ 221.9281, 0.2724,
0.2761

■ 1.9661, 0.1511,
0.1333

■ 268.9022, 0.2748,

■ 0.5876, 0.1081,

0.2792

0.0839

322.0769, 0.2770,
0.2820

0.0000, 0.0000,
0.0000

48.7701, 0.2471,
0.2445

48.7701, 0.2471,
0.2445

39.2000, 0.2282,
0.2174

59.9030, 0.2657,
0.2699

31.1141, 0.2098,
0.1893

72.6613, 0.2836,
0.2932

24.4347, 0.1929,
0.1614

87.1108, 0.3003,
0.3140

19.0742, 0.1784,
0.1351

99.9990, 0.3127,
0.3290

14.9334, 0.1671,
0.1118

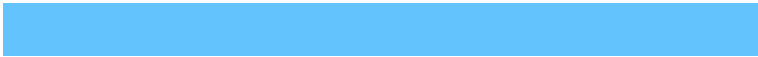
■ 11.8908, 0.1594,
0.0928

■ 11.3980, 0.1582,
0.0896

Harmonies

Analogous

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



48.7701, 0.2215, 0.2555



48.7701, 0.2471, 0.2445



48.7701, 0.2913, 0.2530

Triad

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



48.7701, 0.2471, 0.2445



48.7701, 0.4182, 0.3561



48.7701, 0.2756, 0.3895

Complementary

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



48.7701, 0.2471, 0.2445



79.7541, 0.3791, 0.4009

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.



48.7701, 0.3269, 0.4221



48.7701, 0.2471, 0.2445



48.7701, 0.4111, 0.3955

Square

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



48.7701, 0.2471, 0.2445



48.7701, 0.3937, 0.3144



48.7701, 0.3768, 0.4220



48.7701, 0.2364, 0.3369

Rectangle

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



48.7701, 0.2471, 0.2445



48.7701, 0.3273, 0.2680



48.7701, 0.3768, 0.4220



48.7701, 0.2919, 0.4036

Sweetspot

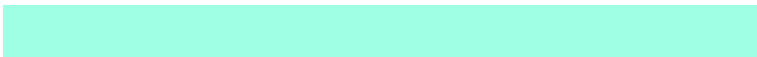
The Sweet Spot groups the original color and five complimentary colors.



48.7719, 0.2471, 0.2445



82.6569, 0.2954, 0.3081



84.3538, 0.2725, 0.3603



17.2659, 0.2932, 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.



48.7719, 0.2471, 0.2445



41.0300, 0.2320, 0.2230



41.2592, 0.2571, 0.2170



18.1699, 0.2979, 0.3111



6.1648, 0.1590, 0.0922



0.7711, 0.1649, 0.1135

Inverse Universe

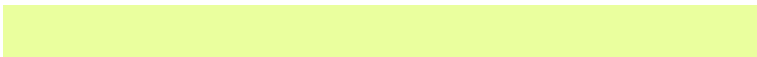
The Inverse Universe completely reimagines the original color for something new.



49.1727, 0.3814, 0.3019



42.2213, 0.4035, 0.2965



91.4668, 0.3556, 0.4288



18.0671, 0.3252, 0.3226



11.3503, 0.5877, 0.3011



1.1224, 0.5560, 0.2836

Previews

White Background



This preview shows how the Yxy color 48.7701, 0.2471, 0.2445 looks on a white background.

Color Contrast Check

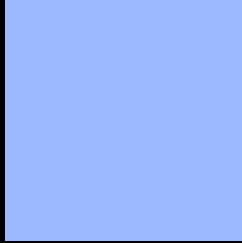
Large Text (above 18pt) WCAG AA × Fail

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 48.7701, 0.2471, 0.2445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

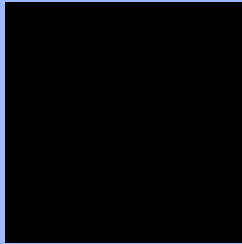
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

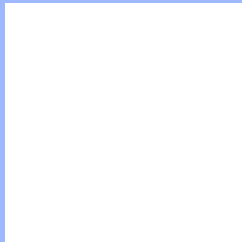
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7701, 0.2471, 0.2445

Background



This preview shows how black text looks on a background with the Yxy color 48.7701, 0.2471, 0.2445.



This preview shows how white text looks on a background with the Yxy color 48.7701, 0.2471, 0.2445.

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

48.7701, 0.2471, 0.2445

Protanopia

48.9152, 0.2511, 0.2451

Deuteranopia

48.8735, 0.2500, 0.2439



Tritanopia

48.8970, 0.2685, 0.3090

Trichromacy



Original Color

48.7701, 0.2471, 0.2445

Protanomaly

48.7041, 0.2499, 0.2448

Deuteranomaly

48.6640, 0.2487, 0.2437

Tritanomaly

48.8425, 0.2604, 0.2841

Monochromacy



Original Color

48.7701, 0.2471, 0.2445

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.0481, 0.2862, 0.2960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7701, 0.2471, 0.2445 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(158, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 184, 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(158, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 184, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.7701, 0.2471, 0.2445 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(158, 184, 255) }
```

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

```
.border{ border-color:rgb(158, 184, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 184,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7701, 0.2471, 0.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 184, 255) }
```

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

```
.background{ background-color: rgb(158,  
184, 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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