

Converting Colors

$Yxy(48.8177, 0.2444, 0.2455)$

Have a look what the booklet for
Yxy(48.8177, 0.2444, 0.2455)
contains.

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Color

Yxy(48.6902, 0.2443, 0.2451)

Conversions

Conversions Part 1

Format	Color
Hex	99B9FF
RGB	153, 185, 255
RGB Percent	60%, 73%, 100%
CMY	0.4000, 0.2745, 0.0001
CMYK	0.40, 0.27, 0.00, 0.00
HSL	221°, 100%, 80%
HSV	221°, 40%, 100%
XYZ	48.5313, 48.6902, 101.4330
YIQ	183.4120, -41.5420, 14.9860

Conversions

Conversions Part 2

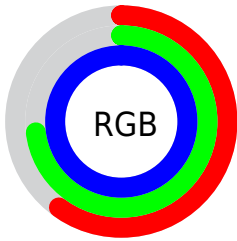
Format	Color
RYB	153, 177, 255
Decimal	10074623
CIELab	75.26, 6.28, -37.99
CIElCh	75, 38.504, 279.389
Yxy	48.6902, 0.2443, 0.2451
Android (android.graphics.Color)	4288264703 (0xFF99B9FF)
YUV	183.4120, 35.2929, -26.6713
Hunter-Lab	69.7784, 2.0357, -37.3417

Details

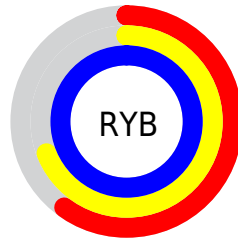
The Yxy color **48.6902, 0.2443, 0.2451** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.3115, 0.3848, 0.4002**, and the grayscale version is **47.4111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8322, 0.2853, 0.3143**, and **23.1211, 0.2266, 0.2241** is the 20% darker color. If you saturate the color by 10%, you get **39.5957, 0.2260, 0.2194**, and if you desaturate by 10%, it is **59.2190, 0.2626, 0.2692**.

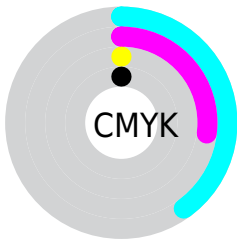
Distribution



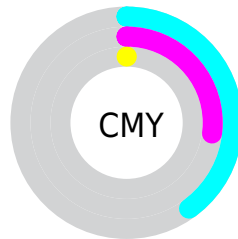
- Red (60%)
- Green (73%)
- Blue (100%)



- Red (60%)
- Yellow (69%)
- 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 48.6902, 0.2443, 0.2451 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 48.6902, 0.2443, 0.2451 by changing the saturation by 10% instead.

■ 48.6902, 0.2443,
0.2451

■ 48.6902, 0.2443,
0.2451

381.5214, 0.2774,
0.2849

■ 34.3738, 0.2365,
0.2359

■ 88.2312, 0.2560,
0.2590

■ 23.1809, 0.2268,
0.2246

■ 114.2245, 0.2605,
0.2644

■ 14.7271, 0.2144,
0.2102

144.8789, 0.2643,
0.2690

■ 8.6281, 0.1982,
0.1917

180.5789, 0.2677,
0.2731

■ 4.4994, 0.1762,
0.1671

221.7087, 0.2706,
0.2766

■ 1.9567, 0.1456,
0.1336

268.6528, 0.2731,

■ 0.5821, 0.1017,

0.2797

0.0838


321.7956, 0.2754,
0.2825

 0.0000, 0.0000,
0.0000

 48.6902, 0.2443,
0.2451

 48.6902, 0.2443,
0.2451

 39.5957, 0.2260,
0.2194


 59.2190, 0.2626,
0.2692

 31.8633, 0.2084,
0.1928


 71.2384, 0.2803,
0.2914

 25.4224, 0.1924,
0.1664

 84.8085, 0.2971,
0.3113

 20.1925, 0.1788,
0.1413

99.9841, 0.3127,
0.3290

 16.0822, 0.1683,
0.1188

99.9989, 0.3127,
0.3290

■ 12.9638, 0.1611,
0.0998

Harmonies

Analogous

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



48.6902, 0.2207, 0.2579



48.6902, 0.2443, 0.2451



48.6902, 0.2869, 0.2519

Triad

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



48.6902, 0.2443, 0.2451



48.6902, 0.4166, 0.3522



48.6902, 0.2801, 0.3932

Complementary

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



48.6902, 0.2443, 0.2451



76.3115, 0.3848, 0.4002

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.



48.6902, 0.3316, 0.4229



48.6902, 0.2443, 0.2451



48.6902, 0.4124, 0.3920

Square

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



48.6902, 0.2443, 0.2451



48.6902, 0.3896, 0.3109



48.6902, 0.3804, 0.4200



48.6902, 0.2396, 0.3418

Rectangle

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



48.6902, 0.2443, 0.2451



48.6902, 0.3222, 0.2659



48.6902, 0.3804, 0.4200



48.6902, 0.2967, 0.4065

Sweetspot

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



48.6920, 0.2443, 0.2451



81.9808, 0.2938, 0.3075



83.5912, 0.2724, 0.3663



17.1574, 0.2917, 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.



48.6920, 0.2443, 0.2451



41.3102, 0.2296, 0.2246



38.7330, 0.2511, 0.2097



18.3082, 0.2979, 0.3122



7.0088, 0.1619, 0.1027



0.8681, 0.1680, 0.1248

Inverse Universe

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



47.5387, 0.3818, 0.2957



40.8670, 0.4031, 0.2894



91.6904, 0.3599, 0.4331



18.0810, 0.3245, 0.3216



11.4355, 0.5719, 0.2924



1.1322, 0.5399, 0.2748

Previews

White Background



This preview shows how the Yxy color 48.6902, 0.2443, 0.2451 looks on a white background.

Color Contrast Check

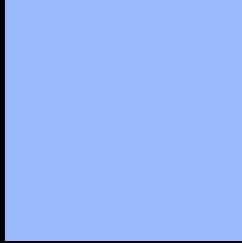
Large Text (above 18pt) WCAG AA × Fail

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 48.6902, 0.2443, 0.2451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

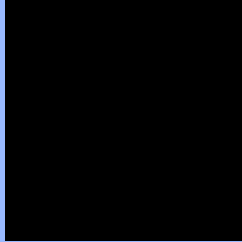
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

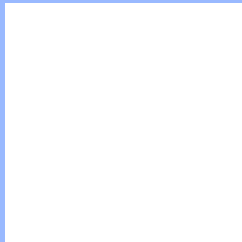
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6902, 0.2443, 0.2451

Background



This preview shows how black text looks on a background with the Yxy color 48.6902, 0.2443, 0.2451.



This preview shows how white text looks on a background with the Yxy color 48.6902, 0.2443, 0.2451.

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

48.6902, 0.2443, 0.2451

Protanopia

48.4403, 0.2515, 0.2448

Deuteranopia

48.7684, 0.2494, 0.2438



Tritanopia

48.8497, 0.2642, 0.3088

Trichromacy



Original Color

48.6902, 0.2443, 0.2451

Protanomaly

48.4963, 0.2487, 0.2445

Deuteranomaly

48.8719, 0.2477, 0.2446

Tritanomaly

48.7723, 0.2562, 0.2838

Monochromacy



Original Color

48.6902, 0.2443, 0.2451

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.6551, 0.2846, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6902, 0.2443, 0.2451 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, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 185, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.6902, 0.2443, 0.2451 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, 185, 255) }
```

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

```
.border{ border-color:rgb(153, 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(153, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 185,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6902, 0.2443, 0.2451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 185, 255) }
```

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

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