

Converting Colors

$Y_{xy}(48.5241, 0.2450, 0.2391)$

Have a look what the booklet for
Yxy(48.5241, 0.2450, 0.2391)
contains.

Yxy(48.3561, 0.2469, 0.2432)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.3561, 0.2469, 0.2432)

Conversions

Conversions Part 1

Format	Color
Hex	9EB7FF
RGB	158, 183, 255
RGB Percent	62%, 72%, 100%
CMY	0.3803, 0.2824, 0.0000
CMYK	0.38, 0.28, 0.00, 0.00
HSL	225°, 100%, 81%
HSV	225°, 38%, 100%
XYZ	49.0918, 48.3561, 101.3848
YIQ	183.7330, -38.0120, 17.0920

Conversions

Conversions Part 2

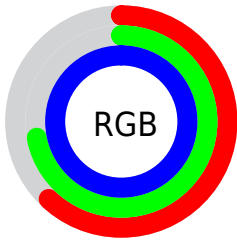
Format	Color
RYB	158, 178, 255
Decimal	10401791
CIELab	75.05, 8.72, -38.32
CIElCh	75, 39.297, 282.815
Yxy	48.3561, 0.2469, 0.2432
Android (android.graphics.Color)	4288591871 (0xFF9EB7FF)
YUV	183.7330, 35.1346, -22.5678
Hunter-Lab	69.5386, 4.3223, -37.7658

Details

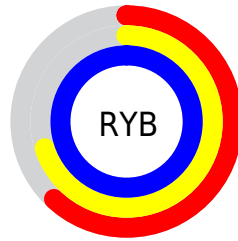
The Yxy color **48.3561, 0.2469, 0.2432** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **80.3412, 0.3787, 0.4018**, and the grayscale version is **47.5976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4001, 0.2882, 0.3124**, and **22.9260, 0.2301, 0.2220** is the 20% darker color. If you saturate the color by 10%, you get **38.7396, 0.2279, 0.2157**, and if you desaturate by 10%, it is **59.5587, 0.2657, 0.2690**.

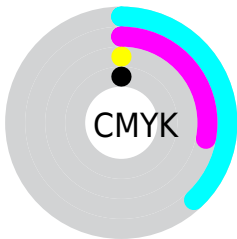
Distribution



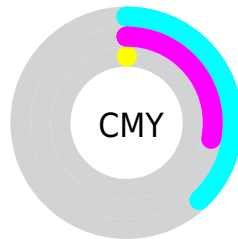
- Red (62%)
- Green (72%)
- Blue (100%)



- 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 48.3561, 0.2469, 0.2432 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 48.3561, 0.2469, 0.2432 by changing the saturation by 10% instead.

■ 48.3561, 0.2469,
0.2432

■ 48.3561, 0.2469,
0.2432

380.2019, 0.2789,
0.2838

■ 34.1090, 0.2393,
0.2339

■ 87.7344, 0.2582,
0.2574

■ 22.9773, 0.2299,
0.2223

■ 113.6343, 0.2626,
0.2629

■ 14.5768, 0.2178,
0.2078

144.1873, 0.2663,
0.2676

■ 8.5229, 0.2020,
0.1891

179.7777, 0.2695,
0.2717

■ 4.4313, 0.1804,
0.1643

220.7900, 0.2723,
0.2753

■ 1.9176, 0.1502,
0.1307

267.6085, 0.2747,

■ 0.5590, 0.1070,

0.2784

0.0804

320.6177, 0.2769,
0.2813

0.0000, 0.0000,
0.0000

48.3561, 0.2469,
0.2432

48.3561, 0.2469,
0.2432

38.7396, 0.2279,
0.2157

59.5587, 0.2657,
0.2690

30.6358, 0.2094,
0.1872

72.4190, 0.2835,
0.2926

23.9626, 0.1923,
0.1591

87.0019, 0.3003,
0.3138

18.6298, 0.1777,
0.1326

100.0000, 0.3127,
0.3290

14.5359, 0.1664,
0.1094

■ 11.5561, 0.1588,
0.0906

■ 11.0760, 0.1576,
0.0874

Harmonies

Analogous

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



48.3561, 0.2204, 0.2538



48.3561, 0.2469, 0.2432



48.3561, 0.2922, 0.2523

Triad

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



48.3561, 0.2469, 0.2432



48.3561, 0.4202, 0.3574



48.3561, 0.2738, 0.3895

Complementary

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



48.3561, 0.2469, 0.2432



80.3412, 0.3787, 0.4018

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.



48.3561, 0.3257, 0.4234



48.3561, 0.2469, 0.2432



48.3561, 0.4122, 0.3973

Square

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



48.3561, 0.2469, 0.2432



48.3561, 0.3960, 0.3150



48.3561, 0.3767, 0.4239



48.3561, 0.2344, 0.3357

Rectangle

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



48.3561, 0.2469, 0.2432



48.3561, 0.3288, 0.2678



48.3561, 0.3767, 0.4239



48.3561, 0.2903, 0.4041

Sweetspot

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



48.3555, 0.2469, 0.2432



82.4863, 0.2954, 0.3078



84.4566, 0.2717, 0.3584



17.2254, 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.



48.3555, 0.2469, 0.2432



40.5662, 0.2318, 0.2214



41.4641, 0.2582, 0.2174



18.1378, 0.2979, 0.3108



5.9893, 0.1583, 0.0900



0.7503, 0.1642, 0.1110

Inverse Universe

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



49.1408, 0.3824, 0.3030



42.1744, 0.4049, 0.2978



91.2077, 0.3545, 0.4291



18.0638, 0.3254, 0.3229



11.3326, 0.5912, 0.3030



1.1203, 0.5596, 0.2856

Previews

White Background



This preview shows how the Yxy color 48.3561, 0.2469, 0.2432 looks on a white background.

Color Contrast Check

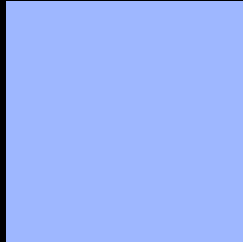
Large Text (above 18pt) WCAG AA × Fail

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 48.3561, 0.2469, 0.2432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

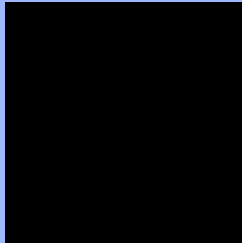
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.3561, 0.2469, 0.2432

Background



This preview shows how black text looks on a background with the Yxy color 48.3561, 0.2469, 0.2432.



This preview shows how white text looks on a background with the Yxy color 48.3561, 0.2469, 0.2432.

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

48.3561, 0.2469, 0.2432

Protanopia

48.3982, 0.2504, 0.2437

Deuteranopia

48.2530, 0.2486, 0.2424



Tritanopia

48.3153, 0.2683, 0.3089

Trichromacy



Original Color

48.3561, 0.2469, 0.2432

Protanomaly

48.1887, 0.2491, 0.2434

Deuteranomaly

48.1495, 0.2480, 0.2423

Tritanomaly

48.2610, 0.2602, 0.2839

Monochromacy



Original Color

48.3561, 0.2469, 0.2432

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 48.3561, 0.2469, 0.2432 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, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 183, 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, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 183, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.3561, 0.2469, 0.2432 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, 183, 255) }
```

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

```
.border{ border-color:rgb(158, 183, 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, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 183,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3561, 0.2469, 0.2432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 183, 255) }
```

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

```
.background{ background-color: rgb(158,  
183, 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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