

Converting Colors

$Y_{xy}(49.1735, 0.2595, 0.2420)$

Have a look what the booklet for
Yxy(49.1735, 0.2595, 0.2420)
contains.

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Color

Yxy(48.9252, 0.2591, 0.2413)

Conversions

Conversions Part 1

Format	Color
Hex	B2B3FF
RGB	178, 179, 255
RGB Percent	70%, 70%, 100%
CMY	0.3019, 0.2980, 0.0000
CMYK	0.30, 0.30, 0.00, 0.00
HSL	239°, 100%, 85%
HSV	239°, 30%, 100%
XYZ	52.5343, 48.9252, 101.2973
YIQ	187.3650, -24.9920, 23.4240

Conversions

Conversions Part 2

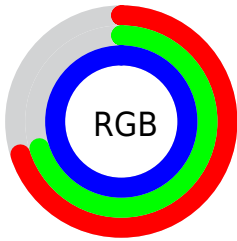
Format	Color
R_{YB}	178, 179, 255
Decimal	11711487
CIE _{Lab}	75.40, 16.35, -37.65
CIE _{LCh}	75, 41.045, 293.472
Yxy	48.9252, 0.2591, 0.2413
Android (android.graphics.Color)	4289901567 (0xFFB2B3FF)
YUV	187.3650, 33.3441, -8.2131
Hunter-Lab	69.9466, 11.6583, -36.9018

Details

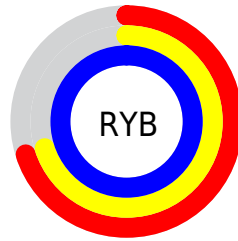
The Yxy color $48.9252, 0.2591, 0.2413$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $95.3689, 0.3588, 0.4038$, and the grayscale version is $49.7306, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.2988, 0.3006, 0.3089$, and $23.2099, 0.2446, 0.2198$ is the 20% darker color. If you saturate the color by 10%, you get $36.9981, 0.2379, 0.2066$, and if you desaturate by 10%, it is $63.2563, 0.2789, 0.2737$.

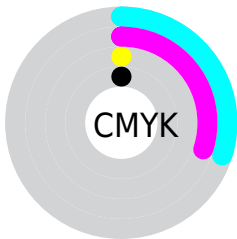
Distribution



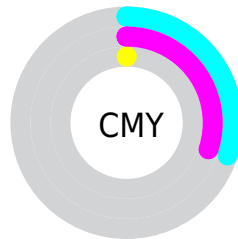
- Red (70%)
- Green (70%)
- Blue (100%)



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



- Cyan (30%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9252, 0.2591, 0.2413 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 48.9252, 0.2591, 0.2413 by changing the saturation by 10% instead.

■ 48.9252, 0.2591,
0.2413

■ 48.9252, 0.2591,
0.2413

382.4478, 0.2855,
0.2823

■ 34.5601, 0.2528,
0.2320

■ 88.5803, 0.2685,
0.2555

■ 23.3243, 0.2448,
0.2205

114.6392, 0.2721,
0.2610

■ 14.8331, 0.2346,
0.2062

145.3649, 0.2752,
0.2658

■ 8.7023, 0.2209,
0.1878

181.1416, 0.2778,
0.2700

■ 4.5475, 0.2021,
0.1635

222.3539, 0.2801,
0.2736

■ 1.9843, 0.1751,
0.1308

269.3861, 0.2821,

■ 0.5983, 0.1351,

0.2768

0.0830

322.6226, 0.2839,
0.2797

0.0000, 0.0000,
0.0000

48.9252, 0.2591,
0.2413

48.9252, 0.2591,
0.2413

36.9981, 0.2379,
0.2066

63.2563, 0.2789,
0.2737

27.3414, 0.2163,
0.1709

80.1106, 0.2967,
0.3028

19.8118, 0.1955,
0.1365

99.6022, 0.3124,
0.3285

14.2487, 0.1773,
0.1062

100.0000, 0.3127,
0.3290

10.4690, 0.1632,
0.0826

■ 8.2551, 0.1542,
0.0675

■ 7.2907, 0.1502,
0.0605

Harmonies

Analogous

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



48.9252, 0.2243, 0.2446



48.9252, 0.2591, 0.2413



48.9252, 0.3112, 0.2572

Triad

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



48.9252, 0.2591, 0.2413



48.9252, 0.4253, 0.3736



48.9252, 0.2556, 0.3732

Complementary

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



48.9252, 0.2591, 0.2413



95.3689, 0.3588, 0.4038

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.



48.9252, 0.3062, 0.4187



48.9252, 0.2591, 0.2413



48.9252, 0.4055, 0.4118

Square

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



48.9252, 0.2591, 0.2413



48.9252, 0.4120, 0.3296



48.9252, 0.3612, 0.4316



48.9252, 0.2220, 0.3157

Rectangle

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



48.9252, 0.2591, 0.2413



48.9252, 0.3499, 0.2767



48.9252, 0.3612, 0.4316



48.9252, 0.2710, 0.3910

Sweetspot

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



48.9259, 0.2591, 0.2413



82.2908, 0.2987, 0.3061



88.1243, 0.2697, 0.3303



17.0444, 0.2962, 0.3021



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.



48.9259, 0.2591, 0.2413



41.7123, 0.2469, 0.2213



53.5474, 0.2856, 0.2464



17.4149, 0.2978, 0.3047



3.8257, 0.1502, 0.0608



0.3850, 0.1507, 0.0626

Inverse Universe

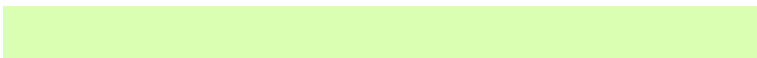
The Inverse Universe completely reimagines the original color for something new.



56.3609, 0.3802, 0.3282



50.2193, 0.3991, 0.3280



89.6080, 0.3335, 0.4113



17.9908, 0.3293, 0.3287



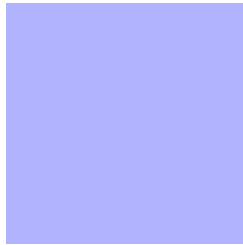
11.1142, 0.6388, 0.3293



1.0834, 0.6357, 0.3275

Previews

White Background



This preview shows how the Yxy color 48.9252, 0.2591, 0.2413 looks on a white background.

Color Contrast Check

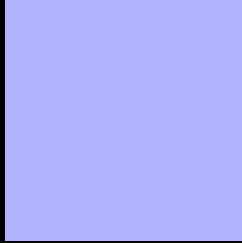
Large Text (above 18pt) WCAG AA × Fail

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 48.9252, 0.2591, 0.2413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

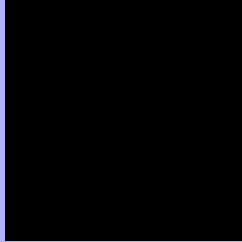
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9252, 0.2591, 0.2413

Background



This preview shows how black text looks on a background with the Yxy color 48.9252, 0.2591, 0.2413.



This preview shows how white text looks on a background with the Yxy color 48.9252, 0.2591, 0.2413.

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

48.9252, 0.2591, 0.2413

Protanopia

48.9795, 0.2506, 0.2441

Deuteranopia

48.9152, 0.2511, 0.2451



Tritanopia

48.9703, 0.2846, 0.3095

Trichromacy



Original Color

48.9252, 0.2591, 0.2413

Protanomaly

49.1109, 0.2536, 0.2436

Deuteranomaly

49.0467, 0.2542, 0.2445

Tritanomaly

48.6836, 0.2746, 0.2816

Monochromacy



Original Color

48.9252, 0.2591, 0.2413

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.2248, 0.2918, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9252, 0.2591, 0.2413 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(178, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 179, 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(178, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.9252, 0.2591, 0.2413 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(178, 179, 255) }
```

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

```
.border{ border-color:rgb(178, 179, 255) }
```

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

Here you see how a box with a 4 pixel rgb(178, 179, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9252, 0.2591, 0.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 179, 255) }
```

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

```
.background{ background-color: rgb(178,  
179, 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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