

Converting Colors

$Y_{xy}(48.1510, 0.2528, 0.2408)$

Have a look what the booklet for
Yxy(48.1510, 0.2528, 0.2408)
contains.

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Color

Yxy(48.1873, 0.2527, 0.2410)

Conversions

Conversions Part 1

Format	Color
Hex	A8B4FF
RGB	168, 180, 255
RGB Percent	66%, 71%, 100%
CMY	0.3409, 0.2942, 0.0001
CMYK	0.34, 0.29, 0.00, 0.00
HSL	232°, 100%, 83%
HSV	232°, 34%, 100%
XYZ	50.5267, 48.1873, 101.2333
YIQ	184.9620, -31.2270, 20.7810

Conversions

Conversions Part 2

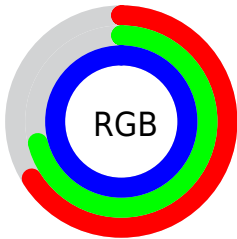
Format	Color
R_{YB}	168, 179, 255
Decimal	11056383
CIE _{Lab}	74.94, 13.04, -38.40
CIE _{LCh}	75, 40.559, 288.761
Yxy	48.1873, 0.2527, 0.2410
Android (android.graphics.Color)	4289246463 (0xFFA8B4FF)
YUV	184.9620, 34.5287, -14.8757
Hunter-Lab	69.4171, 8.4451, -37.8727

Details

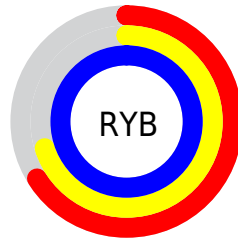
The Yxy color **48.1873, 0.2527, 0.2410** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **88.2216, 0.3679, 0.4038**, and the grayscale version is **48.3168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2185, 0.2942, 0.3096**, and **22.7667, 0.2367, 0.2192** is the 20% darker color. If you saturate the color by 10%, you get **37.4704, 0.2325, 0.2098**, and if you desaturate by 10%, it is **60.8662, 0.2721, 0.2702**.

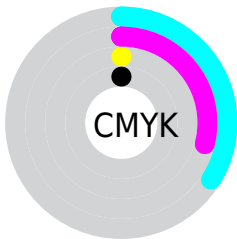
Distribution



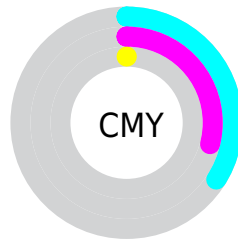
- Red (66%)
- Green (71%)
- Blue (100%)



- Red (66%)
- Yellow (70%)
- Blue (100%)



- Cyan (34%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1873, 0.2527, 0.2410 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 48.1873, 0.2527, 0.2410 by changing the saturation by 10% instead.

■ 48.1873, 0.2527,
0.2410

■ 48.1873, 0.2527,
0.2410

379.5341, 0.2821,
0.2824

■ 33.9752, 0.2457,
0.2315

■ 87.4832, 0.2632,
0.2554

■ 22.8746, 0.2369,
0.2199

113.3358, 0.2671,
0.2610

■ 14.5009, 0.2256,
0.2053

143.8375, 0.2706,
0.2658

■ 8.4699, 0.2107,
0.1865

179.3725, 0.2735,
0.2700

■ 4.3971, 0.1903,
0.1617

220.3252, 0.2761,
0.2737

■ 1.8981, 0.1613,
0.1283

267.0801, 0.2783,


■ 0.5472, 0.1195,


0.2769


0.0780

320.0216, 0.2803,
0.2798


 0.0000, 0.0000,
0.0000

 48.1873, 0.2527,
0.2410


 48.1873, 0.2527,
0.2410


 37.4704, 0.2325,
0.2098


 60.8662, 0.2721,
0.2702


 28.6115, 0.2122,
0.1776

 75.5932, 0.2901,
0.2967

 21.5051, 0.1932,
0.1461

 92.4558, 0.3065,
0.3202

 16.0329, 0.1766,
0.1174

 99.9991, 0.3127,
0.3290

 12.0614, 0.1638,
0.0935

■ 9.4348, 0.1555,
0.0760

■ 8.4209, 0.1525,
0.0688

Harmonies

Analogous

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



48.1873, 0.2213, 0.2475



48.1873, 0.2527, 0.2410



48.1873, 0.3023, 0.2541

Triad

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



48.1873, 0.2527, 0.2410



48.1873, 0.4247, 0.3666



48.1873, 0.2630, 0.3814

Complementary

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



48.1873, 0.2527, 0.2410



88.2216, 0.3679, 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.



48.1873, 0.3149, 0.4225



48.1873, 0.2527, 0.2410



48.1873, 0.4099, 0.4062

Square

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



48.1873, 0.2527, 0.2410



48.1873, 0.4062, 0.3229



48.1873, 0.3689, 0.4297



48.1873, 0.2264, 0.3245

Rectangle

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



48.1873, 0.2527, 0.2410



48.1873, 0.3407, 0.2719



48.1873, 0.3689, 0.4297



48.1873, 0.2792, 0.3981

Sweetspot

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



48.1891, 0.2527, 0.2410



82.2381, 0.2970, 0.3066



86.2503, 0.2704, 0.3433



17.1056, 0.2947, 0.3033



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.



48.1891, 0.2527, 0.2410



40.5846, 0.2388, 0.2196



47.3183, 0.2725, 0.2324



17.7796, 0.2979, 0.3078



4.5224, 0.1529, 0.0705



0.5573, 0.1574, 0.0866

Inverse Universe

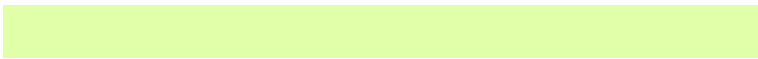
The Inverse Universe completely reimagines the original color for something new.



52.5798, 0.3823, 0.3167



45.9259, 0.4036, 0.3142



90.2779, 0.3436, 0.4206



18.0277, 0.3273, 0.3258



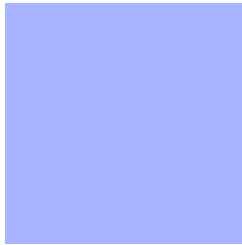
11.1845, 0.6224, 0.3202



1.1008, 0.5965, 0.3060

Previews

White Background



This preview shows how the Yxy color 48.1873, 0.2527, 0.2410 looks on a white background.

Color Contrast Check

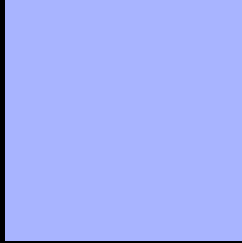
Large Text (above 18pt) WCAG AA × Fail

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 48.1873, 0.2527, 0.2410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

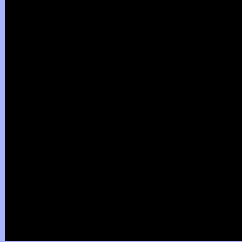
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1873, 0.2527, 0.2410

Background



This preview shows how black text looks on a background with the Yxy color 48.1873, 0.2527, 0.2410.



This preview shows how white text looks on a background with the Yxy color 48.1873, 0.2527, 0.2410.

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

48.1873, 0.2527, 0.2410

Protanopia

48.3573, 0.2492, 0.2426

Deuteranopia

48.2530, 0.2486, 0.2424



Tritanopia

48.4028, 0.2768, 0.3092

Trichromacy



Original Color

48.1873, 0.2527, 0.2410

Protanomaly

48.1603, 0.2503, 0.2416

Deuteranomaly

48.1603, 0.2503, 0.2416

Tritanomaly

48.0226, 0.2677, 0.2820

Monochromacy



Original Color

48.1873, 0.2527, 0.2410

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.1038, 0.2892, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1873, 0.2527, 0.2410 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(168, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 180, 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(168, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 180, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.1873, 0.2527, 0.2410 is called "border". The border property can be set on classes, ids or directly on the HTML element.

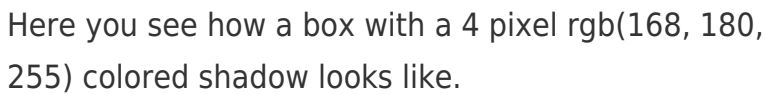
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 180, 255) }
```

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

```
.border{ border-color:rgb(168, 180, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 180,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1873, 0.2527, 0.2410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 180, 255) }
```

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

```
.background{ background-color: rgb(168,  
180, 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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