

Converting Colors

$Y_{xy}(48.2562, 0.2631, 0.2549)$

Have a look what the booklet for
Yxy(48.2562, 0.2631, 0.2549)
contains.

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Color

Yxy(48.4030, 0.2630, 0.2550)

Conversions

Conversions Part 1

Format	Color
Hex	ADB5F3
RGB	173, 181, 243
RGB Percent	68%, 71%, 95%
CMY	0.3218, 0.2901, 0.0471
CMYK	0.29, 0.25, 0.00, 0.05
HSL	233°, 74%, 82%
HSV	233°, 29%, 95%
XYZ	49.9215, 48.4030, 91.4912
YIQ	185.6760, -24.6700, 17.5860

Conversions

Conversions Part 2

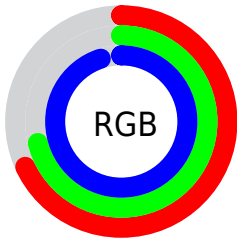
Format	Color
RYB	173, 180, 243
Decimal	11384307
CIELab	75.08, 10.84, -31.70
CIELCh	75, 33.498, 288.875
Yxy	48.4030, 0.2630, 0.2550
Android (android.graphics.Color)	4289574387 (0xFFADB5F3)
YUV	185.6760, 28.2607, -11.1169
Hunter-Lab	69.5723, 6.3311, -29.2689

Details

The Yxy color $48.4030, 0.2630, 0.2550$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $81.4206, 0.3585, 0.3935$, and the grayscale version is $48.7572, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.6114, 0.2974, 0.3108$, and $22.9481, 0.2494, 0.2356$ is the 20% darker color. If you saturate the color by 10%, you get $37.8058, 0.2430, 0.2241$, and if you desaturate by 10%, it is $60.8559, 0.2818, 0.2834$.

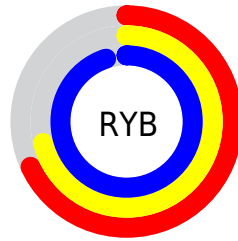
Distribution



Red (68%)

Green (71%)

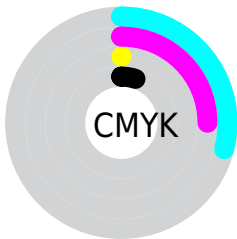
Blue (95%)



Red (68%)

Yellow (71%)

Blue (95%)

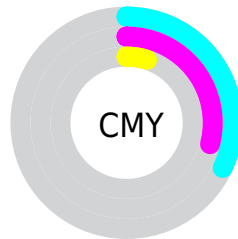


Cyan (29%)

Magenta (25%)

Yellow (0%)

Black (5%)



Cyan (32%)

Magenta (29%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4030, 0.2630, 0.2550 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 48.4030, 0.2630, 0.2550 by changing the saturation by 10% instead.

■ 48.4030, 0.2630,
0.2550

■ 48.4030, 0.2630,
0.2550

380.3873, 0.2875,
0.2902

■ 34.1461, 0.2571,
0.2468

■ 87.8041, 0.2718,
0.2674

■ 23.0059, 0.2496,
0.2366

113.7172, 0.2751,
0.2721

■ 14.5979, 0.2400,
0.2237

144.2844, 0.2779,
0.2762

■ 8.5376, 0.2270,
0.2068

179.8903, 0.2804,
0.2798

■ 4.4409, 0.2089,
0.1839

220.9191, 0.2825,
0.2829

■ 1.9231, 0.1821,
0.1518

267.7552, 0.2844,

■ 0.5622, 0.1415,

0.2856

0.0995

320.7832, 0.2860,
0.2880

0.0000, 0.0000,
0.0000

48.4030, 0.2630,
0.2550

48.4030, 0.2630,
0.2550

37.8058, 0.2430,
0.2241

60.8559, 0.2818,
0.2834

28.9695, 0.2224,
0.1916

75.2415, 0.2990,
0.3090

21.7998, 0.2024,
0.1590

91.6397, 0.3144,
0.3315

16.1911, 0.1842,
0.1284

99.2500, 0.3197,
0.3405

12.0255, 0.1693,
0.1019

■ 9.1678, 0.1586,
0.0814

■ 7.4468, 0.1525,
0.0680

■ 7.3038, 0.1519,
0.0669

Harmonies

Analogous

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



48.4030, 0.2361, 0.2611



48.4030, 0.2630, 0.2550



48.4030, 0.3047, 0.2659

Triad

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



48.4030, 0.2630, 0.2550



48.4030, 0.4052, 0.3619



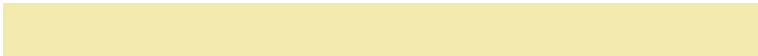
48.4030, 0.2717, 0.3716

Complementary

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



48.4030, 0.2630, 0.2550



81.4206, 0.3585, 0.3935

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.



48.4030, 0.3152, 0.4048



48.4030, 0.2630, 0.2550



48.4030, 0.3935, 0.3943

Square

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



48.4030, 0.2630, 0.2550



48.4030, 0.3897, 0.3248



48.4030, 0.3600, 0.4119



48.4030, 0.2406, 0.3259

Rectangle

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



48.4030, 0.2630, 0.2550



48.4030, 0.3363, 0.2812



48.4030, 0.3600, 0.4119



48.4030, 0.2853, 0.3850

Sweetspot

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



48.4049, 0.2630, 0.2550



83.6298, 0.2987, 0.3085



78.9548, 0.2751, 0.3381



17.3708, 0.2963, 0.3050



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.



48.4049, 0.2630, 0.2550



46.3741, 0.2506, 0.2359



48.5818, 0.2818, 0.2495



16.2349, 0.2979, 0.3074



4.1066, 0.1523, 0.0683



0.4592, 0.1568, 0.0843

Inverse Universe

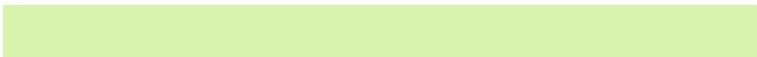
The Inverse Universe completely reimagines the original color for something new.



52.2507, 0.3692, 0.3203



51.5786, 0.3868, 0.3184



81.7243, 0.3374, 0.4059



16.5136, 0.3275, 0.3263



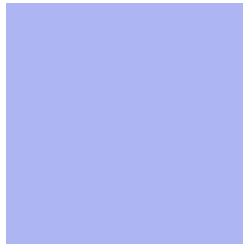
10.5139, 0.6261, 0.3222



0.9340, 0.6001, 0.3079

Previews

White Background



This preview shows how the Yxy color 48.4030, 0.2630, 0.2550 looks on a white background.

Color Contrast Check

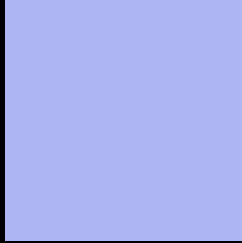
Large Text (above 18pt) WCAG AA × Fail

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 48.4030, 0.2630, 0.2550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

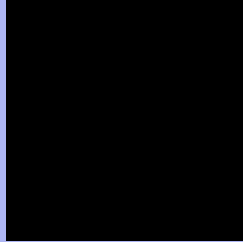
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4030, 0.2630, 0.2550

Background



This preview shows how black text looks on a background with the Yxy color 48.4030, 0.2630, 0.2550.



This preview shows how white text looks on a background with the Yxy color 48.4030, 0.2630, 0.2550.

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

48.4030, 0.2630, 0.2550

Protanopia

48.3124, 0.2592, 0.2545

Deuteranopia

48.5849, 0.2618, 0.2559



Tritanopia

48.2776, 0.2838, 0.3094

Trichromacy



Original Color

48.4030, 0.2630, 0.2550

Protanomaly

48.5336, 0.2605, 0.2548

Deuteranomaly

48.6976, 0.2625, 0.2561

Tritanomaly

48.0847, 0.2757, 0.2872

Monochromacy



Original Color

48.4030, 0.2630, 0.2550

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.6097, 0.2930, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4030, 0.2630, 0.2550 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(173, 181, 243)` looks like.

```
.text, #text, p{  
    color:rgb(173, 181, 243)  
}
```

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(173, 181, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 181, 243) }
```

Border

The CSS property to change the border of an element to Yxy 48.4030, 0.2630, 0.2550 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(173, 181, 243) }
```

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

```
.border{ border-color:rgb(173, 181, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 181, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 181, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 181, 243);  
box-shadow:4px 4px 4px 4px rgb(173, 181,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4030, 0.2630, 0.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 181, 243) }
```

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

```
.background{ background-color: rgb(173,  
181, 243) }
```

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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