

Converting Colors

$Yxy(48.6952, 0.2550, 0.2838)$

Have a look what the booklet for
Yxy(48.6952, 0.2550, 0.2838)
contains.

Yxy(48.5922, 0.2550, 0.2837)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.5922, 0.2550, 0.2837)

Conversions

Conversions Part 1

Format	Color
Hex	8FBFE2
RGB	143, 191, 226
RGB Percent	56%, 75%, 89%
CMY	0.4394, 0.2509, 0.1138
CMYK	0.37, 0.15, 0.00, 0.11
HSL	205°, 59%, 72%
HSV	205°, 37%, 89%
XYZ	43.6765, 48.5922, 79.0116
YIQ	180.6380, -39.8430, 0.7090

Conversions

Conversions Part 2

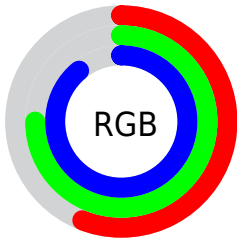
Format	Color
R_{YB}	143, 173, 226
Decimal	9420770
CIE _{Lab}	75.20, -7.25, -22.49
CIE _{LCh}	75, 23.628, 252.129
Yxy	48.5922, 0.2550, 0.2837
Android (android.graphics.Color)	4287610850 (0xFF8FBFE2)
YUV	180.6380, 22.3635, -33.0085
Hunter-Lab	69.7081, -10.1478, -18.4074

Details

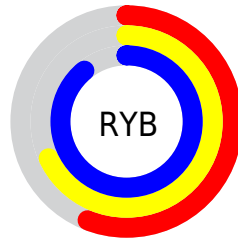
The Yxy color **48.5922, 0.2550, 0.2837** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.9518, 0.3867, 0.3700**, and the grayscale version is **45.8915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8836, 0.2794, 0.3205**, and **23.2411, 0.2398, 0.2711** is the 20% darker color. If you saturate the color by 10%, you get **42.7604, 0.2398, 0.2688**, and if you desaturate by 10%, it is **55.1036, 0.2707, 0.2976**.

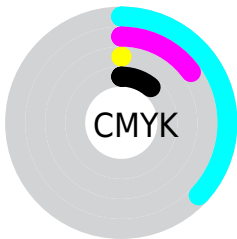
Distribution



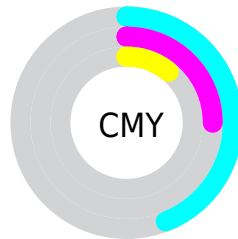
- Red (56%)
- Green (75%)
- Blue (89%)



- Red (56%)
- Yellow (68%)
- Blue (89%)



- Cyan (37%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (44%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5922, 0.2550, 0.2837 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 48.5922, 0.2550, 0.2837 by changing the saturation by 10% instead.

■ 48.5922, 0.2550,
0.2837

■ 48.5922, 0.2550,
0.2837

■ 381.1347, 0.2830,
0.3062

■ 34.2961, 0.2483,
0.2782

■ 88.0855, 0.2650,
0.2918

■ 23.1212, 0.2399,
0.2711

■ 114.0514, 0.2688,
0.2949

■ 14.6830, 0.2290,
0.2619

■ 144.6762, 0.2720,
0.2975

■ 8.5972, 0.2144,
0.2493

■ 180.3440, 0.2748,
0.2997

■ 4.4794, 0.1940,
0.2313

■ 221.4394, 0.2773,
0.3017

■ 1.9452, 0.1639,
0.2037

■ 268.3467, 0.2794,

■ 0.5753, 0.0987,

0.3034

0.1536

321.4503, 0.2813,
0.3049

0.0000, 0.0000,
0.0000

48.5922, 0.2550,
0.2837

48.5922, 0.2550,
0.2837

42.7604, 0.2398,
0.2688

55.1036, 0.2707,
0.2976

37.5729, 0.2255,
0.2530

62.3163, 0.2866,
0.3103

32.9991, 0.2127,
0.2368

70.2580, 0.3023,
0.3219

29.0030, 0.2016,
0.2202

78.9526, 0.3176,
0.3323

25.5429, 0.1927,
0.2039

88.2448, 0.3317,
0.3415

■ 22.5671, 0.1861,
0.1880

■ 93.9512, 0.3306,
0.3507

■ 21.6755, 0.1842,
0.1830

■ 98.2697, 0.3298,
0.3572

Harmonies

Analogous

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



48.5922, 0.2526, 0.3048



48.5922, 0.2550, 0.2837



48.5922, 0.2719, 0.2755

Triad

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



48.5922, 0.2550, 0.2837



48.5922, 0.3619, 0.3208



48.5922, 0.3226, 0.3840

Complementary

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



48.5922, 0.2550, 0.2837



49.9518, 0.3867, 0.3700

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.



48.5922, 0.3531, 0.3860



48.5922, 0.2550, 0.2837



48.5922, 0.3768, 0.3478

Square

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



48.5922, 0.2550, 0.2837



48.5922, 0.3333, 0.2968



48.5922, 0.3733, 0.3718



48.5922, 0.2905, 0.3648

Rectangle

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



48.5922, 0.2550, 0.2837



48.5922, 0.2898, 0.2775



48.5922, 0.3733, 0.3718



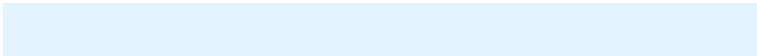
48.5922, 0.3334, 0.3867

Sweetspot

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



48.5941, 0.2550, 0.2837



87.7572, 0.2956, 0.3170



63.4117, 0.2878, 0.3924



18.4786, 0.2934, 0.3155



0.0000, 0.0000, 0.0000



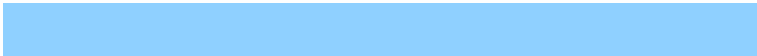
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.5941, 0.2550, 0.2837



58.0348, 0.2434, 0.2725



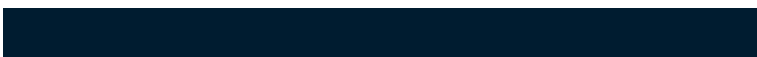
33.0959, 0.2470, 0.2275



14.5547, 0.2981, 0.3189



12.6085, 0.1849, 0.1854



1.0500, 0.1916, 0.2097

Inverse Universe

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



39.5574, 0.3502, 0.2739



45.3870, 0.3611, 0.2627



68.8403, 0.3703, 0.4134



13.8329, 0.3202, 0.3155



10.1809, 0.4621, 0.2319



0.7235, 0.4344, 0.2167

Previews

White Background



This preview shows how the Yxy color 48.5922, 0.2550, 0.2837 looks on a white background.

Color Contrast Check

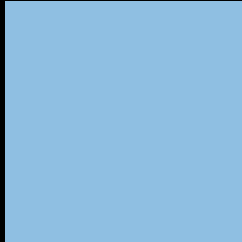
Large Text (above 18pt) WCAG AA × Fail

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 48.5922, 0.2550, 0.2837 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 48.5922, 0.2550, 0.2837

Background



This preview shows how black text looks on a background with the Yxy color 48.5922, 0.2550, 0.2837.



This preview shows how white text looks on a background with the Yxy color 48.5922, 0.2550, 0.2837.

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

48.5922, 0.2550, 0.2837

Protanopia

48.3814, 0.2808, 0.2831

Deuteranopia

48.3525, 0.2775, 0.2719



Tritanopia

48.6760, 0.2629, 0.3087

Trichromacy



Original Color

48.5922, 0.2550, 0.2837

Protanomaly

48.3911, 0.2711, 0.2836

Deuteranomaly

48.4595, 0.2692, 0.2767

Tritanomaly

48.6217, 0.2598, 0.2997

Monochromacy



Original Color

48.5922, 0.2550, 0.2837

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.9446, 0.2893, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5922, 0.2550, 0.2837 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(143, 191, 226)` looks like.

```
.text, #text, p{  
    color:rgb(143, 191, 226)  
}
```

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(143, 191, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 191, 226) }
```

Border

The CSS property to change the border of an element to Yxy 48.5922, 0.2550, 0.2837 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(143, 191, 226) }
```

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

```
.border{ border-color:rgb(143, 191, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 191, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 191, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 191, 226);  
box-shadow:4px 4px 4px 4px rgb(143, 191,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5922, 0.2550, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 191, 226) }
```

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

```
.background{ background-color: rgb(143,  
191, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor