

Converting Colors

$Yxy(51.9150, 0.2627, 0.2908)$

Have a look what the booklet for
Yxy(51.9150, 0.2627, 0.2908)
contains.

Yxy(51.8409, 0.2627, 0.2910)	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(51.8409, 0.2627, 0.2910)

Conversions

Conversions Part 1

Format	Color
Hex	9AC4E2
RGB	154, 196, 226
RGB Percent	60%, 77%, 89%
CMY	0.3960, 0.2314, 0.1136
CMYK	0.32, 0.13, 0.00, 0.11
HSL	205°, 55%, 75%
HSV	205°, 32%, 89%
XYZ	46.7993, 51.8409, 79.5072
YIQ	186.8620, -34.6620, 0.4260

Conversions

Conversions Part 2

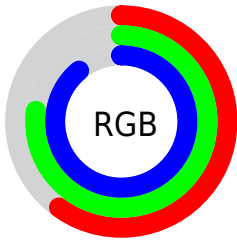
Format	Color
RYB	154, 181, 226
Decimal	10142946
CIELab	77.19, -6.84, -19.43
CIELCh	77, 20.602, 250.616
Yxy	51.8409, 0.2627, 0.2910
Android (android.graphics.Color)	4288333026 (0xFF9AC4E2)
YUV	186.8620, 19.2950, -28.8200
Hunter-Lab	72.0006, -9.9788, -15.0710

Details

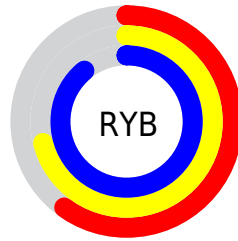
The Yxy color **51.8409, 0.2627, 0.2910** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.8090, 0.3747, 0.3640**, and the grayscale version is **49.5202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1722, 0.2859, 0.3269**, and **24.9956, 0.2491, 0.2794** is the 20% darker color. If you saturate the color by 10%, you get **45.7099, 0.2472, 0.2767**, and if you desaturate by 10%, it is **58.6608, 0.2785, 0.3042**.

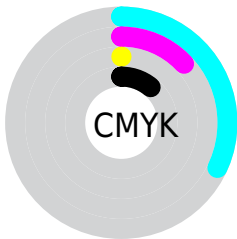
Distribution



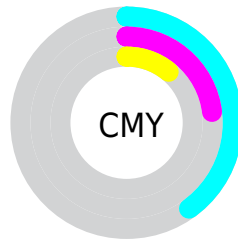
- Red (60%)
- Green (77%)
- Blue (89%)



- Red (60%)
- Yellow (71%)
- Blue (89%)



- Cyan (32%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (40%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8409, 0.2627, 0.2910 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 51.8409, 0.2627, 0.2910 by changing the saturation by 10% instead.

■ 51.8409, 0.2627,
0.2910

■ 51.8409, 0.2627,
0.2910

■ 393.8221, 0.2868,
0.3097

■ 36.8783, 0.2570,
0.2864

■ 92.8966, 0.2713,
0.2977

■ 25.1133, 0.2498,
0.2806

■ 119.7584, 0.2745,
0.3003

■ 16.1615, 0.2405,
0.2730

■ 151.3554, 0.2773,
0.3025

■ 9.6385, 0.2280,
0.2627

■ 188.0720, 0.2797,
0.3043

■ 5.1599, 0.2107,
0.2480

■ 230.2926, 0.2819,
0.3059

■ 2.3414, 0.1849,
0.2253

■ 278.4015, 0.2837,

■ 0.7955, 0.1390,

0.3074

0.1877

332.7832, 0.2854,
0.3086

0.0000, 0.0000,
0.0000

51.8409, 0.2627,
0.2910

51.8409, 0.2627,
0.2910

45.7099, 0.2472,
0.2767

58.6608, 0.2785,
0.3042

40.2332, 0.2325,
0.2615

66.1898, 0.2944,
0.3163

35.3821, 0.2189,
0.2456

74.4548, 0.3099,
0.3271

31.1225, 0.2070,
0.2293

83.4791, 0.3249,
0.3368

27.4161, 0.1971,
0.2130

90.9301, 0.3311,
0.3458

■ 24.2173, 0.1894,
0.1970

■ 96.7218, 0.3300,
0.3548

■ 21.9298, 0.1846,
0.1844

■ 98.2723, 0.3297,
0.3571

Harmonies

Analogous

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



51.8409, 0.2613, 0.3097



51.8409, 0.2627, 0.2910



51.8409, 0.2768, 0.2831

Triad

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



51.8409, 0.2627, 0.2910



51.8409, 0.3536, 0.3210



51.8409, 0.3228, 0.3761

Complementary

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



51.8409, 0.2627, 0.2910



52.8090, 0.3747, 0.3640

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.



51.8409, 0.3485, 0.3773



51.8409, 0.2627, 0.2910



51.8409, 0.3670, 0.3443

Square

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



51.8409, 0.2627, 0.2910



51.8409, 0.3290, 0.3004



51.8409, 0.3650, 0.3650



51.8409, 0.2952, 0.3604

Rectangle

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



51.8409, 0.2627, 0.2910



51.8409, 0.2919, 0.2843



51.8409, 0.3650, 0.3650



51.8409, 0.3320, 0.3781

Sweetspot

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



51.8429, 0.2627, 0.2910



88.8818, 0.2972, 0.3183



64.7396, 0.2907, 0.3826



18.7070, 0.2949, 0.3167



0.0000, 0.0000, 0.0000



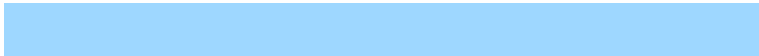
21.4041, 0.3127, 0.3290

Same Dimension

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



51.8429, 0.2627, 0.2910



62.8904, 0.2527, 0.2820



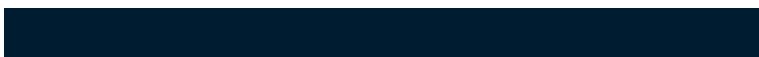
37.5149, 0.2569, 0.2432



14.5642, 0.2981, 0.3190



12.7478, 0.1852, 0.1868



1.0593, 0.1919, 0.2109

Inverse Universe

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



43.2773, 0.3436, 0.2811



50.6330, 0.3520, 0.2713



69.7052, 0.3625, 0.4024



13.8339, 0.3201, 0.3154



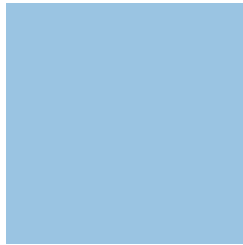
10.1949, 0.4604, 0.2310



0.7244, 0.4331, 0.2160

Previews

White Background



This preview shows how the Yxy color 51.8409, 0.2627, 0.2910 looks on a white background.

Color Contrast Check

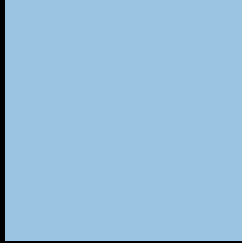
Large Text (above 18pt) WCAG AA × Fail

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 51.8409, 0.2627, 0.2910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

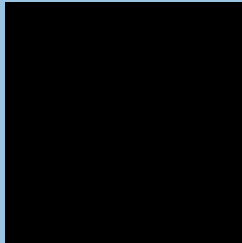
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

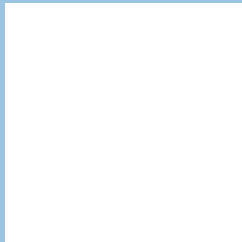
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.8409, 0.2627, 0.2910

Background



This preview shows how black text looks on a background with the Yxy color 51.8409, 0.2627, 0.2910.



This preview shows how white text looks on a background with the Yxy color 51.8409, 0.2627, 0.2910.

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

51.8409, 0.2627, 0.2910

Protanopia

51.8060, 0.2857, 0.2902

Deuteranopia

51.6664, 0.2853, 0.2792



Tritanopia

51.8225, 0.2682, 0.3082

Trichromacy



Original Color

51.8409, 0.2627, 0.2910

Protanomaly

51.9112, 0.2767, 0.2908

Deuteranomaly

51.7201, 0.2768, 0.2840

Tritanomaly

51.6699, 0.2663, 0.3019

Monochromacy



Original Color

51.8409, 0.2627, 0.2910

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.1579, 0.2928, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8409, 0.2627, 0.2910 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(154, 196, 226)` looks like.

```
.text, #text, p{  
    color:rgb(154, 196, 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(154, 196, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 196, 226) }
```

Border

The CSS property to change the border of an element to Yxy 51.8409, 0.2627, 0.2910 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(154, 196, 226) }
```

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

```
.border{ border-color:rgb(154, 196, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 196, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 196, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 196, 226);  
box-shadow:4px 4px 4px 4px rgb(154, 196,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8409, 0.2627, 0.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 196, 226) }
```

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

```
.background{ background-color: rgb(154,  
196, 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