

Converting Colors

$Y_{xy}(50.9014, 0.2638, 0.2695)$

Have a look what the booklet for
Yxy(50.9014, 0.2638, 0.2695)
contains.

Yxy(50.8931, 0.2637, 0.2696)	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(50.8931, 0.2637, 0.2696)

Conversions

Conversions Part 1

Format	Color
Hex	A8BDEE
RGB	168, 189, 238
RGB Percent	66%, 74%, 93%
CMY	0.3412, 0.2588, 0.0666
CMYK	0.29, 0.21, 0.00, 0.07
HSL	222°, 67%, 80%
HSV	222°, 29%, 93%
XYZ	49.7793, 50.8931, 88.1002
YIQ	188.3070, -28.2450, 10.7870

Conversions

Conversions Part 2

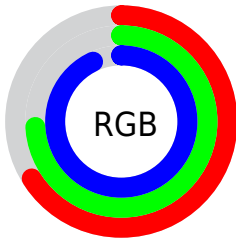
Format	Color
RYB	168, 184, 238
Decimal	11058670
CIELab	76.61, 3.83, -26.69
CIELCh	77, 26.961, 278.174
Yxy	50.8931, 0.2637, 0.2696
Android (android.graphics.Color)	4289248750 (0xFFA8BDEE)
YUV	188.3070, 24.4986, -17.8092
Hunter-Lab	71.3394, -0.2899, -23.2823

Details

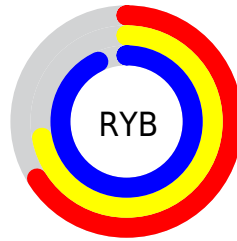
The Yxy color **50.8931, 0.2637, 0.2696** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.6373, 0.3631, 0.3820**, and the grayscale version is **50.3440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3721, 0.2938, 0.3188**, and **24.5631, 0.2507, 0.2546** is the 20% darker color. If you saturate the color by 10%, you get **41.7565, 0.2454, 0.2452**, and if you desaturate by 10%, it is **61.3352, 0.2814, 0.2920**.

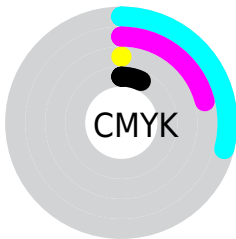
Distribution



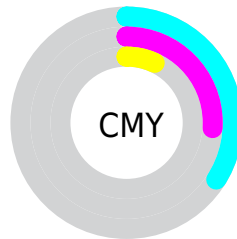
- Red (66%)
- Green (74%)
- Blue (93%)



- Red (66%)
- Yellow (72%)
- Blue (93%)



- Cyan (29%)
- Magenta (21%)
- Yellow (0%)
- Black (7%)



- Cyan (34%)
- Magenta (26%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8931, 0.2637, 0.2696 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 50.8931, 0.2637, 0.2696 by changing the saturation by 10% instead.

■ 50.8931, 0.2637,
0.2696

■ 50.8931, 0.2637,
0.2696

■ 390.1483, 0.2875,
0.2981

■ 36.1235, 0.2580,
0.2629

■ 91.4967, 0.2722,
0.2797

■ 24.5296, 0.2509,
0.2545

■ 118.0996, 0.2754,
0.2835

■ 15.7270, 0.2416,
0.2437

■ 149.4157, 0.2782,
0.2869

■ 9.3312, 0.2293,
0.2294

■ 185.8294, 0.2806,
0.2897

■ 4.9578, 0.2120,
0.2097

■ 227.7251, 0.2826,
0.2922

■ 2.2225, 0.1866,
0.1811

■ 275.4873, 0.2845,

■ 0.7322, 0.1468,

0.2944

0.1362

329.5002, 0.2861,
0.2964

0.0000, 0.0000,
0.0000

50.8931, 0.2637,
0.2696

50.8931, 0.2637,
0.2696

41.7565, 0.2454,
0.2452

61.3352, 0.2814,
0.2920

33.8656, 0.2270,
0.2192

73.1273, 0.2981,
0.3121

27.1644, 0.2092,
0.1922

86.3192, 0.3136,
0.3300

21.5901, 0.1929,
0.1654

98.9540, 0.3226,
0.3454

17.0730, 0.1790,
0.1400

■ 13.5343, 0.1682,
0.1172

■ 10.8668, 0.1607,
0.0981

■ 10.7327, 0.1603,
0.0971

Harmonies

Analogous

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



50.8931, 0.2470, 0.2804



50.8931, 0.2637, 0.2696



50.8931, 0.2938, 0.2734

Triad

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



50.8931, 0.2637, 0.2696



50.8931, 0.3838, 0.3457



50.8931, 0.2921, 0.3733

Complementary

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



50.8931, 0.2637, 0.2696



70.6373, 0.3631, 0.3820

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.



50.8931, 0.3284, 0.3927



50.8931, 0.2637, 0.2696



50.8931, 0.3825, 0.3736

Square

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



50.8931, 0.2637, 0.2696



50.8931, 0.3645, 0.3158



50.8931, 0.3618, 0.3918



50.8931, 0.2626, 0.3400

Rectangle

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



50.8931, 0.2637, 0.2696



50.8931, 0.3183, 0.2833



50.8931, 0.3618, 0.3918



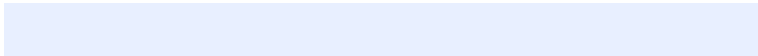
50.8931, 0.3039, 0.3818

Sweetspot

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



50.8951, 0.2637, 0.2696



86.0794, 0.2987, 0.3128



74.4327, 0.2819, 0.3550



17.9699, 0.2963, 0.3100



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.



50.8951, 0.2637, 0.2696



53.2310, 0.2533, 0.2559



43.9815, 0.2703, 0.2453



16.0018, 0.2980, 0.3120



6.1842, 0.1611, 0.0998



0.6822, 0.1682, 0.1255

Inverse Universe

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



49.8581, 0.3586, 0.3059



52.2708, 0.3711, 0.3012



80.0219, 0.3479, 0.4049



15.8369, 0.3246, 0.3219



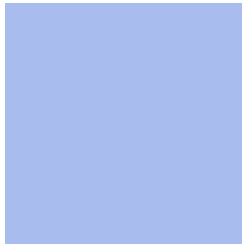
10.4177, 0.5762, 0.2948



0.8836, 0.5388, 0.2742

Previews

White Background



This preview shows how the Yxy color 50.8931, 0.2637, 0.2696 looks on a white background.

Color Contrast Check

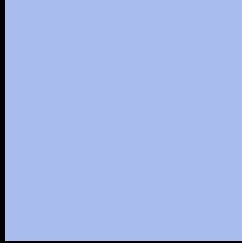
Large Text (above 18pt) WCAG AA × Fail

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 50.8931, 0.2637, 0.2696 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

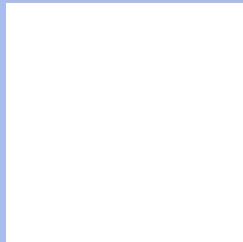
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8931, 0.2637, 0.2696

Background



This preview shows how black text looks on a background with the Yxy color 50.8931, 0.2637, 0.2696.



This preview shows how white text looks on a background with the Yxy color 50.8931, 0.2637, 0.2696.

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

50.8931, 0.2637, 0.2696

Protanopia

50.9439, 0.2708, 0.2703

Deuteranopia

50.7537, 0.2715, 0.2651



Tritanopia

50.9181, 0.2775, 0.3084

Trichromacy



Original Color

50.8931, 0.2637, 0.2696

Protanomaly

51.0795, 0.2682, 0.2701

Deuteranomaly

50.5799, 0.2681, 0.2657

Tritanomaly

50.7591, 0.2723, 0.2936

Monochromacy



Original Color

50.8931, 0.2637, 0.2696

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.2464, 0.2938, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8931, 0.2637, 0.2696 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, 189, 238)` looks like.

```
.text, #text, p{  
    color:rgb(168, 189, 238)  
}
```

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, 189, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 189, 238) }
```

Border

The CSS property to change the border of an element to Yxy 50.8931, 0.2637, 0.2696 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, 189, 238) }
```

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

```
.border{ border-color:rgb(168, 189, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 189, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 189, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 189, 238);  
box-shadow:4px 4px 4px 4px rgb(168, 189,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8931, 0.2637, 0.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 189, 238) }
```

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

```
.background{ background-color: rgb(168,  
189, 238) }
```

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