

Converting Colors

$Y_{xy}(29.2285, 0.2922, 0.2671)$

Have a look what the booklet for
Yxy(29.2285, 0.2922, 0.2671)
contains.

Yxy(29.2136, 0.2923, 0.2670)	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(29.2136, 0.2923, 0.2670)

Conversions

Conversions Part 1

Format	Color
Hex	9F8BB6
RGB	159, 139, 182
RGB Percent	62%, 55%, 71%
CMY	0.3763, 0.4550, 0.2862
CMYK	0.13, 0.24, 0.00, 0.29
HSL	268°, 23%, 63%
HSV	268°, 24%, 71%
XYZ	31.9818, 29.2136, 48.2189
YIQ	149.8820, -1.8830, 17.6130

Conversions

Conversions Part 2

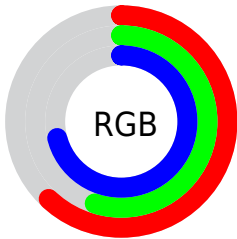
Format	Color
R_{YB}	159, 139, 182
Decimal	10455990
CIE _{Lab}	60.97, 16.00, -19.74
CIE _{LCh}	61, 25.412, 309.033
Yxy	29.2136, 0.2923, 0.2670
Android (android.graphics.Color)	4288646070 (0xFF9F8BB6)
YUV	149.8820, 15.8342, 7.9965
Hunter-Lab	54.0496, 11.0337, -15.0592

Details

The Yxy color $29.2136, 0.2923, 0.2670$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $43.0047, 0.3296, 0.3906$, and the grayscale version is $30.3815, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.6091, 0.2967, 0.2794$, and $11.8555, 0.2845, 0.2481$ is the 20% darker color. If you saturate the color by 10%, you get $23.4208, 0.2814, 0.2379$, and if you desaturate by 10%, it is $35.9645, 0.3018, 0.2946$.

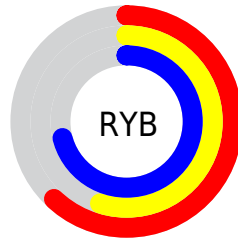
Distribution



Red (62%)

Green (55%)

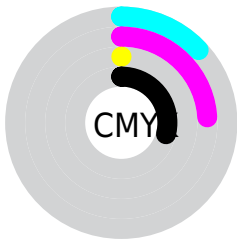
Blue (71%)



Red (62%)

Yellow (55%)

Blue (71%)

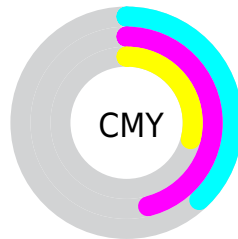


Cyan (13%)

Magenta (24%)

Yellow (0%)

Black (29%)



Cyan (38%)


Magenta (46%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2136, 0.2923, 0.2670 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 29.2136, 0.2923, 0.2670 by changing the saturation by 10% instead.


 29.2136, 0.2923,
0.2670


 29.2136, 0.2923,
0.2670


298.2215, 0.3036,
0.2991


 19.2425, 0.2891,
0.2587


 58.4163, 0.2967,
0.2789

 11.8456, 0.2847,
0.2478


 78.4166, 0.2983,
0.2833

 6.6386, 0.2784,
0.2332


 102.5288, 0.2996,
0.2870

 3.2372, 0.2688,
0.2122

131.1373, 0.3006,
0.2901

 1.2568, 0.2523,
0.1803

164.6264, 0.3016,
0.2928

 0.1073, 0.2238,
0.0488

203.3805, 0.3023,

 0.0000, 0.0000,

0.2952

0.0000

247.7841, 0.3030,
0.2972

■ 29.2136, 0.2923,
0.2670

■ 29.2136, 0.2923,
0.2670

■ 23.4208, 0.2814,
0.2379

■ 35.9645, 0.3018,
0.2946

■ 18.5372, 0.2693,
0.2080

■ 43.7121, 0.3100,
0.3202

■ 14.5151, 0.2562,
0.1785

■ 52.4970, 0.3170,
0.3436

■ 11.3008, 0.2424,
0.1507

■ 62.3566, 0.3229,
0.3648

■ 8.8342, 0.2286,
0.1263

■ 73.3265, 0.3279,
0.3837

7.0467, 0.2152,
0.1065

85.4405, 0.3320,
0.4006

5.8558, 0.2031,
0.0923

91.2407, 0.3373,
0.4055

5.3018, 0.1960,
0.0853

92.8665, 0.3438,
0.4039

94.5830, 0.3504,
0.4022

Harmonies

Analogous

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



29.2136, 0.2582, 0.2621



29.2136, 0.2923, 0.2670



29.2136, 0.3343, 0.2859

Triad

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



29.2136, 0.2923, 0.2670



29.2136, 0.3914, 0.3797



29.2136, 0.2553, 0.3401

Complementary

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



29.2136, 0.2923, 0.2670



43.0047, 0.3296, 0.3906

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.



29.2136, 0.2881, 0.3787



29.2136, 0.2923, 0.2670



29.2136, 0.3671, 0.4005

Square

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



29.2136, 0.2923, 0.2670



29.2136, 0.3937, 0.3483



29.2136, 0.3290, 0.4014



29.2136, 0.2380, 0.3009

Rectangle

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



29.2136, 0.2923, 0.2670



29.2136, 0.3610, 0.3044



29.2136, 0.3290, 0.4014



29.2136, 0.2648, 0.3538

Sweetspot

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



29.2148, 0.2923, 0.2670



74.1394, 0.3073, 0.3116



34.9377, 0.2760, 0.3002



16.1875, 0.3068, 0.3100



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



29.2148, 0.2923, 0.2670



47.6682, 0.2872, 0.2531



31.5269, 0.3132, 0.2708



8.9191, 0.3055, 0.3059



3.7821, 0.1972, 0.0860



0.1702, 0.2270, 0.1024

Inverse Universe

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



31.0160, 0.3358, 0.2972



51.5271, 0.3418, 0.2904



41.0021, 0.3114, 0.3941



9.0902, 0.3207, 0.3169



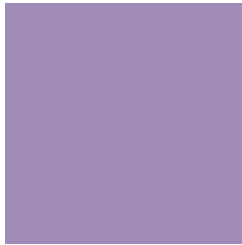
7.6484, 0.4790, 0.2412



0.2820, 0.4277, 0.2130

Previews

White Background



This preview shows how the Yxy color 29.2136, 0.2923, 0.2670 looks on a white background.

Color Contrast Check

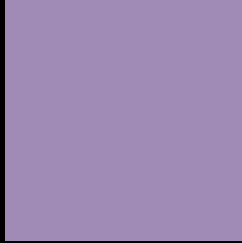
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2136, 0.2923, 0.2670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

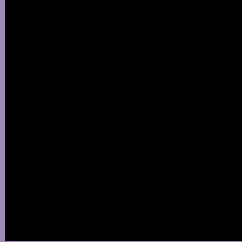
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2136, 0.2923, 0.2670

Background



This preview shows how black text looks on a background with the Yxy color 29.2136, 0.2923, 0.2670.



This preview shows how white text looks on a background with the Yxy color 29.2136, 0.2923, 0.2670.

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

29.2136, 0.2923, 0.2670

Protanopia

29.4640, 0.2684, 0.2674

Deuteranopia

29.2120, 0.2791, 0.2735



Tritanopia

29.2816, 0.3135, 0.3122

Trichromacy



Original Color

29.2136, 0.2923, 0.2670

Protanomaly

29.1674, 0.2767, 0.2667

Deuteranomaly

29.0718, 0.2836, 0.2712

Tritanomaly

29.1305, 0.3050, 0.2944

Monochromacy



Original Color

29.2136, 0.2923, 0.2670

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.9387, 0.3047, 0.3047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2136, 0.2923, 0.2670 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(159, 139, 182)` looks like.

```
.text, #text, p{  
    color:rgb(159, 139, 182)  
}
```

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(159, 139, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 139, 182) }
```

Border

The CSS property to change the border of an element to Yxy 29.2136, 0.2923, 0.2670 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(159, 139, 182) }
```

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

```
.border{ border-color:rgb(159, 139, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 139, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 139, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 139, 182); box-shadow:4px 4px 4px 4px rgb(159, 139, 182) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 29.2136, 0.2923, 0.2670$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 139, 182) }
```

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

```
.background{ background-color: rgb(159,  
139, 182) }
```

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