

Converting Colors

$Y_{xy}(42.7452, 0.2959, 0.3033)$

Have a look what the booklet for
Yxy(42.7452, 0.2959, 0.3033)
contains.

Yxy(42.8930, 0.2959, 0.3038)	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(42.8930, 0.2959, 0.3038)

Conversions

Conversions Part 1

Format	Color
Hex	ACAEC1
RGB	172, 174, 193
RGB Percent	67%, 68%, 76%
CMY	0.3254, 0.3177, 0.2432
CMYK	0.11, 0.10, 0.00, 0.24
HSL	234°, 14%, 72%
HSV	234°, 11%, 76%
XYZ	41.7776, 42.8930, 56.5177
YIQ	175.5680, -7.2910, 5.4850

Conversions

Conversions Part 2

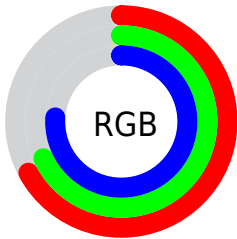
Format	Color
R _Y B	172, 174, 193
Decimal	11316929
CIE Lab	71.48, 3.09, -9.90
CIE LCh	71, 10.371, 287.310
Yxy	42.8930, 0.2959, 0.3038
Android (android.graphics.Color)	4289507009 (0xFFACAEC1)
YUV	175.5680, 8.5940, -3.1291
Hunter-Lab	65.4927, -0.7477, -5.3200

Details

The Yxy color **42.8930, 0.2959, 0.3038** is a light color, and the websafe version is hex **999999**. A complement of this color would be **51.5815, 0.3290, 0.3530**, and the grayscale version is **43.1393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2091, 0.2990, 0.3084**, and **19.7762, 0.2918, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **34.5454, 0.2786, 0.2774**, and if you desaturate by 10%, it is **52.4407, 0.3115, 0.3271**.

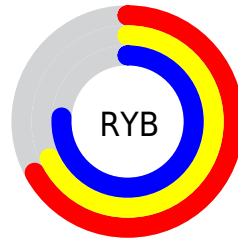
Distribution



Red (67%)

Green (68%)

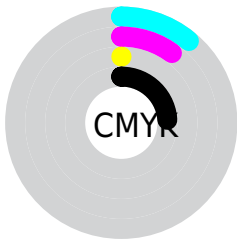
Blue (76%)



Red (67%)

Yellow (68%)

Blue (76%)

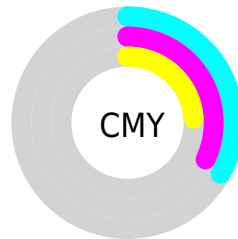


Cyan (11%)

Magenta (10%)

Yellow (0%)

Black (24%)



Cyan (33%)

Magenta (32%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8930, 0.2959, 0.3038 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 42.8930, 0.2959, 0.3038 by changing the saturation by 10% instead.

■ 42.8930, 0.2959,
0.3038

■ 42.8930, 0.2959,
0.3038

358.1715, 0.3044,
0.3165

■ 29.8012, 0.2937,
0.3006

■ 79.5494, 0.2990,
0.3084

■ 19.6877, 0.2909,
0.2965

103.8827, 0.3002,
0.3101

■ 12.1683, 0.2871,
0.2911

132.7320, 0.3012,
0.3116

■ 6.8584, 0.2818,
0.2835

166.4816, 0.3020,
0.3128

■ 3.3737, 0.2737,
0.2720

205.5160, 0.3027,
0.3139

■ 1.3298, 0.2599,
0.2531

250.2195, 0.3034,

■ 0.1641, 0.1827,

0.3149

0.1296

300.9766, 0.3039,
0.3157

0.0000, 0.0000,
0.0000

42.8930, 0.2959,
0.3038

42.8930, 0.2959,
0.3038

34.5454, 0.2786,
0.2774

52.4407, 0.3115,
0.3271

27.3451, 0.2596,
0.2482

63.2277, 0.3253,
0.3475

21.2435, 0.2396,
0.2167

75.2982, 0.3374,
0.3652

16.1865, 0.2191,
0.1839

88.6924, 0.3480,
0.3805

12.1151, 0.1993,
0.1514

96.6294, 0.3496,
0.3900

■ 8.9647, 0.1815,
0.1214

■ 6.6628, 0.1671,
0.0960

■ 5.1258, 0.1571,
0.0771

■ 4.2865, 0.1517,
0.0661

Harmonies

Analogous

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



42.8930, 0.2866, 0.3071



42.8930, 0.2959, 0.3038



42.8930, 0.3098, 0.3070

Triad

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



42.8930, 0.2959, 0.3038



42.8930, 0.3421, 0.3405



42.8930, 0.3004, 0.3429

Complementary

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



42.8930, 0.2959, 0.3038



51.5815, 0.3290, 0.3530

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.



42.8930, 0.3151, 0.3524



42.8930, 0.2959, 0.3038



42.8930, 0.3394, 0.3506

Square

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



42.8930, 0.2959, 0.3038



42.8930, 0.3368, 0.3278



42.8930, 0.3294, 0.3552



42.8930, 0.2892, 0.3295

Rectangle

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



42.8930, 0.2959, 0.3038



42.8930, 0.3200, 0.3123



42.8930, 0.3294, 0.3552



42.8930, 0.3051, 0.3467

Sweetspot

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



42.8948, 0.2959, 0.3038



90.0101, 0.3082, 0.3223



50.6621, 0.2977, 0.3317



19.0036, 0.3070, 0.3205



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.8948, 0.2959, 0.3038



73.1425, 0.2920, 0.2979



43.1181, 0.3030, 0.3017



9.8969, 0.2983, 0.3075



2.9053, 0.1520, 0.0672



0.1783, 0.1587, 0.0911

Inverse Universe

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



43.9070, 0.3301, 0.3265



75.3365, 0.3344, 0.3260



51.3759, 0.3217, 0.3560



10.0929, 0.3274, 0.3269



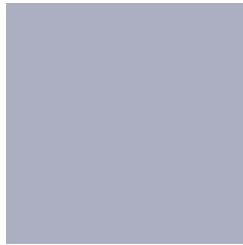
7.5755, 0.6280, 0.3233



0.3326, 0.5894, 0.3021

Previews

White Background



This preview shows how the Yxy color 42.8930, 0.2959, 0.3038 looks on a white background.

Color Contrast Check

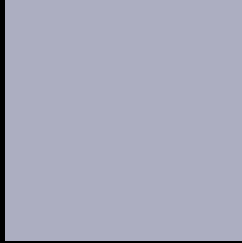
Large Text (above 18pt) WCAG AA × Fail

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 42.8930, 0.2959, 0.3038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

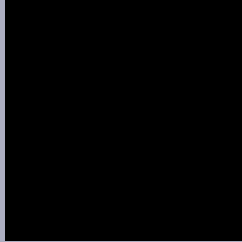
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

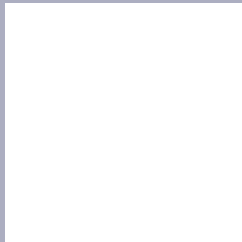
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8930, 0.2959, 0.3038

Background



This preview shows how black text looks on a background with the Yxy color 42.8930, 0.2959, 0.3038.



This preview shows how white text looks on a background with the Yxy color 42.8930, 0.2959, 0.3038.

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

42.8930, 0.2959, 0.3038

Protanopia

43.0066, 0.2967, 0.3038

Deuteranopia

42.7118, 0.3045, 0.2980



Tritanopia

42.9920, 0.2981, 0.3103

Trichromacy



Original Color

42.8930, 0.2959, 0.3038

Protanomaly

43.0066, 0.2967, 0.3038

Deuteranomaly

42.6046, 0.3010, 0.2990

Tritanomaly

43.0356, 0.2973, 0.3090

Monochromacy



Original Color

42.8930, 0.2959, 0.3038

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.1513, 0.3070, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8930, 0.2959, 0.3038 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(172, 174, 193)` looks like.

```
.text, #text, p{  
    color:rgb(172, 174, 193)  
}
```

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(172, 174, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 174, 193) }
```

Border

The CSS property to change the border of an element to Yxy 42.8930, 0.2959, 0.3038 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(172, 174, 193) }
```

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

```
.border{ border-color:rgb(172, 174, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 174, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 174, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 174, 193);  
box-shadow:4px 4px 4px 4px rgb(172, 174,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8930, 0.2959, 0.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 174, 193) }
```

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

```
.background{ background-color: rgb(172,  
174, 193) }
```

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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