

Converting Colors

$Y_{xy}(41.7321, 0.2931, 0.3060)$

Have a look what the booklet for
Yxy(41.7321, 0.2931, 0.3060)
contains.

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Color

Yxy(41.7118, 0.2931, 0.3059)

Conversions

Conversions Part 1

Format	Color
Hex	A6ADBE
RGB	166, 173, 190
RGB Percent	65%, 68%, 75%
CMY	0.3490, 0.3216, 0.2548
CMYK	0.13, 0.09, 0.00, 0.25
HSL	223°, 16%, 70%
HSV	223°, 13%, 75%
XYZ	39.9664, 41.7118, 54.6794
YIQ	172.8450, -9.6290, 3.8030

Conversions

Conversions Part 2

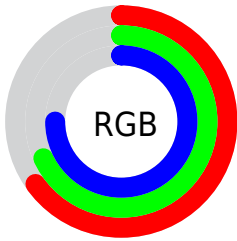
Format	Color
R _Y B	166, 171, 190
Decimal	10923454
CIE Lab	70.67, 1.00, -9.54
CIE LCh	71, 9.590, 276.012
Yxy	41.7118, 0.2931, 0.3059
Android (android.graphics.Color)	4289113534 (0xFFA6ADBE)
YUV	172.8450, 8.4574, -6.0031
Hunter-Lab	64.5847, -2.5634, -4.9875

Details

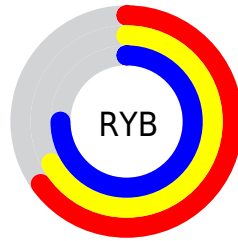
The Yxy color **41.7118, 0.2931, 0.3059** is a light color, and the websafe version is hex **999999**. A complement of this color would be **47.5862, 0.3325, 0.3511**, and the grayscale version is **41.6675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5128, 0.2968, 0.3101**, and **19.0583, 0.2870, 0.2990** is the 20% darker color. If you saturate the color by 10%, you get **34.9015, 0.2763, 0.2851**, and if you desaturate by 10%, it is **49.3498, 0.3088, 0.3245**.

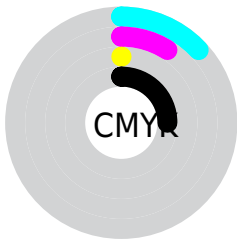
Distribution



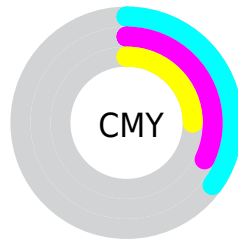
- Red (65%)
- Green (68%)
- Blue (75%)



- Red (65%)
- Yellow (67%)
- Blue (75%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)
- Black (25%)



- Cyan (35%)
- Magenta (32%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7118, 0.2931, 0.3059 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 41.7118, 0.2931, 0.3059 by changing the saturation by 10% instead.

■ 41.7118, 0.2931,
0.3059

■ 41.7118, 0.2931,
0.3059

353.2868, 0.3031,
0.3176

■ 28.8757, 0.2906,
0.3029

■ 77.7633, 0.2968,
0.3102

■ 18.9868, 0.2873,
0.2991

■ 101.7474, 0.2981,
0.3118

■ 11.6607, 0.2828,
0.2939

130.2163, 0.2993,
0.3131

■ 6.5131, 0.2766,
0.2867

163.5545, 0.3003,
0.3143

■ 3.1595, 0.2670,
0.2756

202.1462, 0.3011,
0.3153

■ 1.2156, 0.2507,
0.2569

246.3759, 0.3018,

■ 0.0744, 0.1038,

0.3162

0.0811

296.6280, 0.3025,
0.3169

0.0000, 0.0000,
0.0000

41.7118, 0.2931,
0.3059

41.7118, 0.2931,
0.3059

34.9015, 0.2763,
0.2851

49.3498, 0.3088,
0.3245

28.8851, 0.2586,
0.2622

57.8373, 0.3232,
0.3408

23.6340, 0.2403,
0.2373

67.2021, 0.3363,
0.3552

19.1158, 0.2221,
0.2110

77.4689, 0.3482,
0.3678

15.2957, 0.2047,
0.1841

87.5020, 0.3547,
0.3794

■ 12.1357, 0.1890,
0.1576

■ 95.7439, 0.3516,
0.3918

■ 9.5938, 0.1759,
0.1329

■ 96.4992, 0.3514,
0.3929

■ 7.6219, 0.1659,
0.1111

■ 6.4848, 0.1604,
0.0974

Harmonies

Analogous

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



41.7118, 0.2867, 0.3113



41.7118, 0.2931, 0.3059



41.7118, 0.3048, 0.3066

Triad

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



41.7118, 0.2931, 0.3059



41.7118, 0.3391, 0.3354



41.7118, 0.3062, 0.3459

Complementary

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



41.7118, 0.2931, 0.3059



47.5862, 0.3325, 0.3511

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.



41.7118, 0.3202, 0.3526



41.7118, 0.2931, 0.3059



41.7118, 0.3394, 0.3462

Square

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



41.7118, 0.2931, 0.3059



41.7118, 0.3315, 0.3234



41.7118, 0.3324, 0.3526



41.7118, 0.2941, 0.3344

Rectangle

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



41.7118, 0.2931, 0.3059



41.7118, 0.3142, 0.3103



41.7118, 0.3324, 0.3526



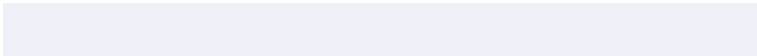
41.7118, 0.3108, 0.3488

Sweetspot

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



41.7135, 0.2931, 0.3059



87.3393, 0.3066, 0.3220



48.3607, 0.2988, 0.3386



18.9392, 0.3055, 0.3206



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.



41.7135, 0.2931, 0.3059



72.2163, 0.2888, 0.3007



39.6280, 0.2970, 0.2966



9.6660, 0.2984, 0.3123



4.4297, 0.1610, 0.0996



0.2903, 0.1750, 0.1499

Inverse Universe

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



41.2413, 0.3291, 0.3199



71.2767, 0.3330, 0.3179



49.9380, 0.3273, 0.3602



9.5809, 0.3244, 0.3223



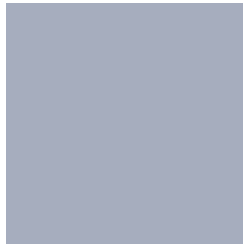
7.4769, 0.5764, 0.2949



0.3047, 0.5060, 0.2561

Previews

White Background



This preview shows how the Yxy color 41.7118, 0.2931, 0.3059 looks on a white background.

Color Contrast Check

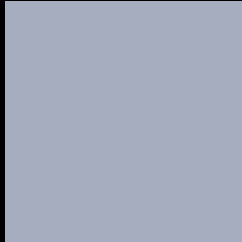
Large Text (above 18pt) WCAG AA × Fail

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 41.7118, 0.2931, 0.3059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

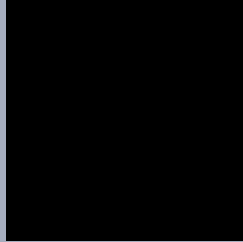
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

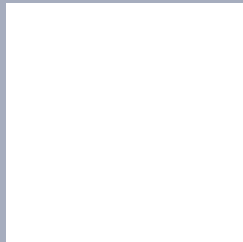
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7118, 0.2931, 0.3059

Background



This preview shows how black text looks on a background with the Yxy color 41.7118, 0.2931, 0.3059.



This preview shows how white text looks on a background with the Yxy color 41.7118, 0.2931, 0.3059.

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

41.7118, 0.2931, 0.3059

Protanopia

41.8371, 0.2981, 0.3062

Deuteranopia

41.5906, 0.3052, 0.2989



Tritanopia

41.5820, 0.2954, 0.3099

Trichromacy



Original Color

41.7118, 0.2931, 0.3059

Protanomaly

41.6142, 0.2964, 0.3061

Deuteranomaly

41.7411, 0.3008, 0.3012

Tritanomaly

41.6250, 0.2947, 0.3086

Monochromacy



Original Color

41.7118, 0.2931, 0.3059

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.6879, 0.3052, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7118, 0.2931, 0.3059 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(166, 173, 190)` looks like.

```
.text, #text, p{  
    color:rgb(166, 173, 190)  
}
```

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(166, 173, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 173, 190) }
```

Border

The CSS property to change the border of an element to Yxy 41.7118, 0.2931, 0.3059 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(166, 173, 190) }
```

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

```
.border{ border-color:rgb(166, 173, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 173, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 173, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 173, 190);  
box-shadow:4px 4px 4px 4px rgb(166, 173,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7118, 0.2931, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 173, 190) }
```

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

```
.background{ background-color: rgb(166,  
173, 190) }
```

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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