

Converting Colors

$Y_{xy}(48.4156, 0.2896, 0.3109)$

Have a look what the booklet for
Yxy(48.4156, 0.2896, 0.3109)
contains.

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Color

Yxy(48.4156, 0.2896, 0.3109)

Conversions

Conversions Part 1

Format	Color
Hex	ABBBC9
RGB	171, 187, 201
RGB Percent	67%, 73%, 79%
CMY	0.3296, 0.2666, 0.2118
CMYK	0.15, 0.07, 0.00, 0.21
HSL	208°, 22%, 73%
HSV	208°, 15%, 79%
XYZ	45.0986, 48.4156, 62.2130
YIQ	183.8120, -14.0300, 0.9620

Conversions

Conversions Part 2

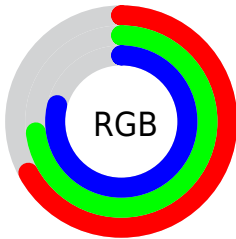
Format	Color
R _Y B	171, 181, 201
Decimal	11254729
CIE Lab	75.09, -2.63, -8.91
CIE LCh	75, 9.295, 253.557
Yxy	48.4156, 0.2896, 0.3109
Android (android.graphics.Color)	4289444809 (0xFFABBBC9)
YUV	183.8120, 8.4737, -11.2361
Hunter-Lab	69.5813, -6.0739, -4.3046

Details

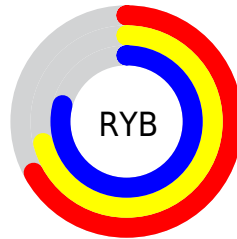
The Yxy color **48.4156, 0.2896, 0.3109** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.0184, 0.3377, 0.3465**, and the grayscale version is **47.7788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6521, 0.2956, 0.3168**, and **23.0787, 0.2838, 0.3060** is the 20% darker color. If you saturate the color by 10%, you get **42.4920, 0.2736, 0.2971**, and if you desaturate by 10%, it is **54.9446, 0.3052, 0.3233**.

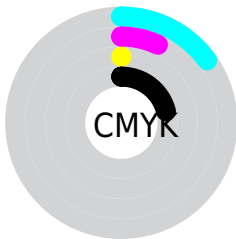
Distribution



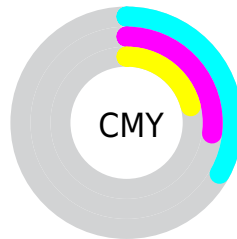
- Red (67%)
- Green (73%)
- Blue (79%)



- Red (67%)
- Yellow (71%)
- Blue (79%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)
- Black (21%)



- Cyan (33%)
- Magenta (27%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4156, 0.2896, 0.3109 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 48.4156, 0.2896, 0.3109 by changing the saturation by 10% instead.

■ 48.4156, 0.2896,
0.3109

■ 48.4156, 0.2896,
0.3109

380.4371, 0.3010,
0.3199

■ 34.1561, 0.2868,
0.3087

■ 87.8229, 0.2937,
0.3142

■ 23.0136, 0.2832,
0.3058

113.7395, 0.2953,
0.3154

■ 14.6035, 0.2785,
0.3020

144.3105, 0.2966,
0.3164

■ 8.5416, 0.2720,
0.2967

179.9205, 0.2977,
0.3173

■ 4.4434, 0.2624,
0.2888

220.9537, 0.2987,
0.3181

■ 1.9246, 0.2472,
0.2760

267.7947, 0.2996,

■ 0.5631, 0.2051,

0.3188

0.2452

320.8276, 0.3003,
0.3194

0.0000, 0.0000,
0.0000

48.4156, 0.2896,
0.3109

48.4156, 0.2896,
0.3109

42.4920, 0.2736,
0.2971

54.9446, 0.3052,
0.3233

37.1473, 0.2576,
0.2821

62.0920, 0.3202,
0.3345

32.3620, 0.2419,
0.2658

69.8783, 0.3346,
0.3444

28.1127, 0.2269,
0.2486

78.3207, 0.3481,
0.3531

24.3743, 0.2131,
0.2307

84.1816, 0.3489,
0.3620

■ 21.1187, 0.2011,
0.2125

■ 89.6377, 0.3471,
0.3710

■ 18.3141, 0.1911,
0.1945

■ 95.3787, 0.3453,
0.3797

■ 15.9231, 0.1835,
0.1772

■ 96.9961, 0.3448,
0.3820

■ 14.8375, 0.1802,
0.1687

Harmonies

Analogous

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



48.4156, 0.2883, 0.3195



48.4156, 0.2896, 0.3109



48.4156, 0.2970, 0.3073

Triad

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



48.4156, 0.2896, 0.3109



48.4156, 0.3324, 0.3266



48.4156, 0.3164, 0.3497

Complementary

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



48.4156, 0.2896, 0.3109



50.0184, 0.3377, 0.3465

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.



48.4156, 0.3284, 0.3513



48.4156, 0.2896, 0.3109



48.4156, 0.3378, 0.3377

Square

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



48.4156, 0.2896, 0.3109



48.4156, 0.3216, 0.3163



48.4156, 0.3363, 0.3468



48.4156, 0.3036, 0.3422

Rectangle

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



48.4156, 0.2896, 0.3109



48.4156, 0.3044, 0.3080



48.4156, 0.3363, 0.3468



48.4156, 0.3207, 0.3510

Sweetspot

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



48.4176, 0.2896, 0.3109



95.1270, 0.3066, 0.3244



53.8974, 0.3014, 0.3504



20.1692, 0.3054, 0.3235



0.0000, 0.0000, 0.0000



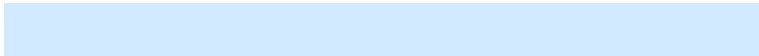
21.4041, 0.3127, 0.3290

Same Dimension

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



48.4176, 0.2896, 0.3109



79.4380, 0.2843, 0.3065



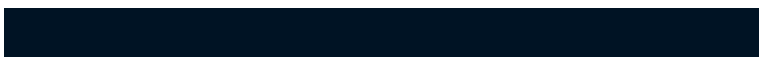
42.5501, 0.2889, 0.2915



11.2113, 0.2983, 0.3180



9.5163, 0.1809, 0.1711



0.5946, 0.1908, 0.2069

Inverse Universe

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



45.1138, 0.3262, 0.3091



72.8306, 0.3297, 0.3045



56.4207, 0.3351, 0.3639



10.7302, 0.3207, 0.3167



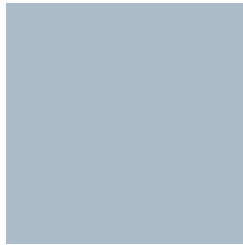
8.5007, 0.4793, 0.2414



0.4170, 0.4376, 0.2184

Previews

White Background



This preview shows how the Yxy color 48.4156, 0.2896, 0.3109 looks on a white background.

Color Contrast Check

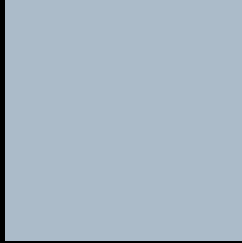
Large Text (above 18pt) WCAG AA × Fail

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 48.4156, 0.2896, 0.3109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

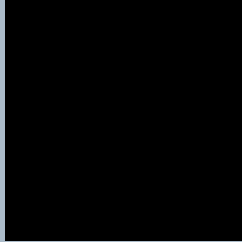
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

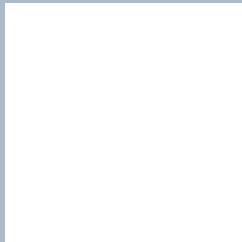
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.4156, 0.2896, 0.3109

Background



This preview shows how black text looks on a background with the Yxy color 48.4156, 0.2896, 0.3109.

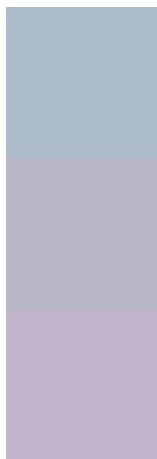


This preview shows how white text looks on a background with the Yxy color 48.4156, 0.2896, 0.3109.

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

48.4156, 0.2896, 0.3109

Protanopia

48.1808, 0.3013, 0.3088

Deuteranopia

48.3761, 0.3073, 0.3019



Tritanopia

48.4628, 0.2889, 0.3096

Trichromacy



Original Color

48.4156, 0.2896, 0.3109

Protanomaly

48.0348, 0.2965, 0.3086

Deuteranomaly

48.5703, 0.3006, 0.3052

Tritanomaly

48.4628, 0.2889, 0.3096

Monochromacy



Original Color

48.4156, 0.2896, 0.3109

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.9993, 0.3039, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4156, 0.2896, 0.3109 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(171, 187, 201)` looks like.

```
.text, #text, p{  
    color:rgb(171, 187, 201)  
}
```

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(171, 187, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 187, 201) }
```

Border

The CSS property to change the border of an element to Yxy 48.4156, 0.2896, 0.3109 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(171, 187, 201) }
```

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

```
.border{ border-color:rgb(171, 187, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 187, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 187, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 187, 201);  
box-shadow:4px 4px 4px 4px rgb(171, 187,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4156, 0.2896, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 187, 201) }
```

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

```
.background{ background-color: rgb(171,  
187, 201) }
```

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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