

Converting Colors

$Y_{xy}(49.3056, 0.2872, 0.3140)$

Have a look what the booklet for
Yxy(49.3056, 0.2872, 0.3140)
contains.

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Color

Yxy(49.3688, 0.2875, 0.3147)

Conversions

Conversions Part 1

Format	Color
Hex	A8BEC9
RGB	168, 190, 201
RGB Percent	66%, 75%, 79%
CMY	0.3412, 0.2549, 0.2118
CMYK	0.16, 0.05, 0.00, 0.21
HSL	200°, 23%, 72%
HSV	200°, 16%, 79%
XYZ	45.1018, 49.3688, 62.4052
YIQ	184.6760, -16.6430, -1.2430

Conversions

Conversions Part 2

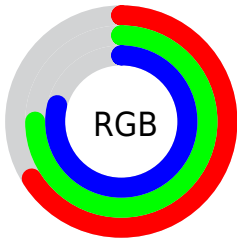
Format	Color
R_{YB}	168, 181, 201
Decimal	11058889
CIE _{Lab}	75.68, -5.18, -8.06
CIE _{LCh}	76, 9.583, 237.268
Yxy	49.3688, 0.2875, 0.3147
Android (android.graphics.Color)	4289248969 (0xFFA8BEC9)
YUV	184.6760, 8.0477, -14.6249
Hunter-Lab	70.2629, -8.3810, -3.4753

Details

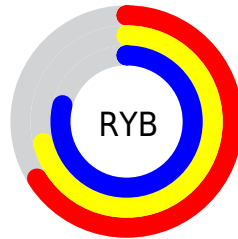
The Yxy color **49.3688, 0.2875, 0.3147** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.4732, 0.3414, 0.3429**, and the grayscale version is **48.2877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8195, 0.2932, 0.3198**, and **23.7109, 0.2811, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **44.5008, 0.2722, 0.3048**, and if you desaturate by 10%, it is **54.7148, 0.3029, 0.3237**.

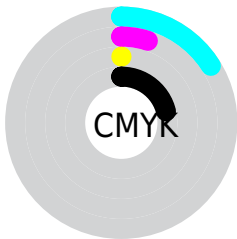
Distribution



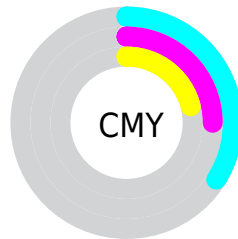
- Red (66%)
- Green (75%)
- Blue (79%)



- Red (66%)
- Yellow (71%)
- Blue (79%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)
- Black (21%)



- Cyan (34%)
- Magenta (25%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3688, 0.2875, 0.3147 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 49.3688, 0.2875, 0.3147 by changing the saturation by 10% instead.

■ 49.3688, 0.2875,
0.3147

■ 49.3688, 0.2875,
0.3147

■ 384.1924, 0.2999,
0.3219

■ 34.9121, 0.2845,
0.3129

■ 89.2390, 0.2920,
0.3173

■ 23.5952, 0.2806,
0.3106

■ 115.4212, 0.2936,
0.3183

■ 15.0336, 0.2755,
0.3075

■ 146.2808, 0.2951,
0.3191

■ 8.8430, 0.2686,
0.3033

■ 182.2021, 0.2963,
0.3198

■ 4.6389, 0.2584,
0.2969

■ 223.5695, 0.2974,
0.3204

■ 2.0370, 0.2424,
0.2864

■ 270.7675, 0.2983,

■ 0.6288, 0.1982,

0.3210

0.2645

324.1803, 0.2992,
0.3215

0.0000, 0.0000,
0.0000

49.3688, 0.2875,
0.3147

49.3688, 0.2875,
0.3147

44.5008, 0.2722,
0.3048

54.7148, 0.3029,
0.3237

40.0874, 0.2573,
0.2941

60.5492, 0.3181,
0.3318

36.1120, 0.2431,
0.2827

66.8893, 0.3330,
0.3390

32.5544, 0.2300,
0.2706

73.7498, 0.3473,
0.3455

29.3925, 0.2184,
0.2581

78.4967, 0.3510,
0.3519

■ 26.6014, 0.2086,
0.2454

■ 82.1522, 0.3496,
0.3585

■ 24.1526, 0.2008,
0.2326

■ 85.9506, 0.3483,
0.3650

■ 22.0097, 0.1951,
0.2201

■ 89.8936, 0.3470,
0.3714

■ 21.2931, 0.1933,
0.2157

■ 93.9825, 0.3457,
0.3776

Harmonies

Analogous

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



49.3688, 0.2898, 0.3255



49.3688, 0.2875, 0.3147



49.3688, 0.2918, 0.3081

Triad

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



49.3688, 0.2875, 0.3147



49.3688, 0.3274, 0.3206



49.3688, 0.3235, 0.3520

Complementary

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



49.3688, 0.2875, 0.3147



47.4732, 0.3414, 0.3429

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.



49.3688, 0.3339, 0.3501



49.3688, 0.2875, 0.3147



49.3688, 0.3362, 0.3318

Square

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



49.3688, 0.2875, 0.3147



49.3688, 0.3147, 0.3116



49.3688, 0.3386, 0.3426



49.3688, 0.3104, 0.3474

Rectangle

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



49.3688, 0.2875, 0.3147



49.3688, 0.2979, 0.3067



49.3688, 0.3386, 0.3426



49.3688, 0.3274, 0.3520

Sweetspot

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



49.3708, 0.2875, 0.3147



94.9837, 0.3050, 0.3248



53.3257, 0.3034, 0.3586



20.1833, 0.3039, 0.3242



0.0000, 0.0000, 0.0000



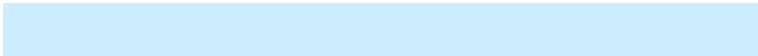
21.4041, 0.3127, 0.3290

Same Dimension

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



49.3708, 0.2875, 0.3147



81.2211, 0.2816, 0.3110



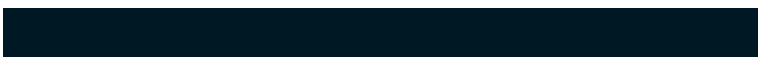
42.8280, 0.2866, 0.2934



11.4497, 0.2984, 0.3211



13.5634, 0.1937, 0.2175



0.7713, 0.2010, 0.2434

Inverse Universe

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



44.1360, 0.3240, 0.3018



70.6203, 0.3271, 0.2951



54.2476, 0.3383, 0.3623



10.7543, 0.3187, 0.3137



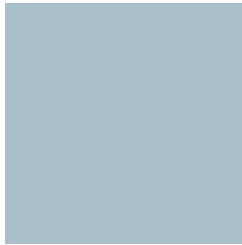
8.9092, 0.4260, 0.2120



0.4349, 0.3988, 0.1971

Previews

White Background



This preview shows how the Yxy color 49.3688, 0.2875, 0.3147 looks on a white background.

Color Contrast Check

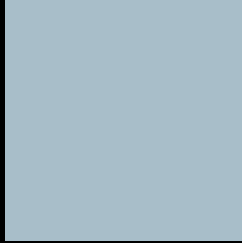
Large Text (above 18pt) WCAG AA × Fail

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 49.3688, 0.2875, 0.3147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

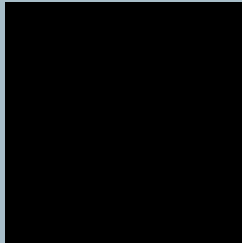
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

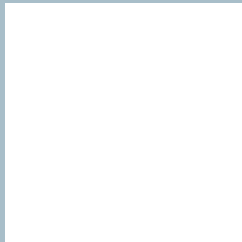
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.3688, 0.2875, 0.3147

Background



This preview shows how black text looks on a background with the Yxy color 49.3688, 0.2875, 0.3147.



This preview shows how white text looks on a background with the Yxy color 49.3688, 0.2875, 0.3147.

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

49.3688, 0.2875, 0.3147

Protanopia

49.2142, 0.3036, 0.3126

Deuteranopia

49.2299, 0.3089, 0.3022



Tritanopia

49.2380, 0.2854, 0.3084

Trichromacy



Original Color

49.3688, 0.2875, 0.3147

Protanomaly

49.2479, 0.2973, 0.3137

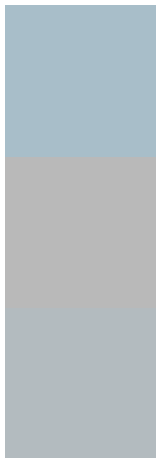
Deuteranomaly

48.9844, 0.3006, 0.3065

Tritanomaly

49.1898, 0.2861, 0.3096

Monochromacy



Original Color

49.3688, 0.2875, 0.3147

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.8859, 0.3031, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3688, 0.2875, 0.3147 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, 190, 201)` looks like.

```
.text, #text, p{  
    color:rgb(168, 190, 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(168, 190, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 190, 201) }
```

Border

The CSS property to change the border of an element to Yxy 49.3688, 0.2875, 0.3147 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, 190, 201) }
```

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

```
.border{ border-color:rgb(168, 190, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 190, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 190, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 190, 201);  
box-shadow:4px 4px 4px 4px rgb(168, 190,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3688, 0.2875, 0.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 190, 201) }
```

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

```
.background{ background-color: rgb(168,  
190, 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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