

Converting Colors

$Yxy(49.7593, 0.2971, 0.3206)$

Have a look what the booklet for
Yxy(49.7593, 0.2971, 0.3206)
contains.

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Color

Yxy(49.6108, 0.2971, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	B0BDC4
RGB	176, 189, 196
RGB Percent	69%, 74%, 77%
CMY	0.3099, 0.2588, 0.2314
CMYK	0.10, 0.04, 0.00, 0.23
HSL	201°, 14%, 73%
HSV	201°, 10%, 77%
XYZ	46.0605, 49.6108, 59.3624
YIQ	185.9110, -9.9950, -0.5790

Conversions

Conversions Part 2

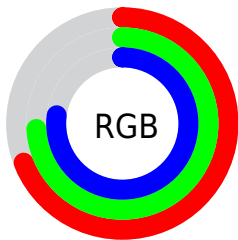
Format	Color
R _Y B	176, 184, 196
Decimal	11582916
CIE Lab	75.83, -3.08, -5.06
CIE LCh	76, 5.924, 238.644
Yxy	49.6108, 0.2971, 0.3200
Android (android.graphics.Color)	4289772996 (0xFFB0BDC4)
YUV	185.9110, 4.9739, -8.6919
Hunter-Lab	70.4349, -6.5321, -0.6650

Details

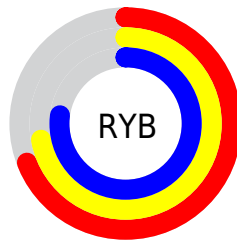
The Yxy color **49.6108, 0.2971, 0.3200** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.7141, 0.3295, 0.3378**, and the grayscale version is **49.0250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5525, 0.2998, 0.3210**, and **23.7723, 0.2927, 0.3184** is the 20% darker color. If you saturate the color by 10%, you get **44.6212, 0.2817, 0.3102**, and if you desaturate by 10%, it is **55.0727, 0.3124, 0.3288**.

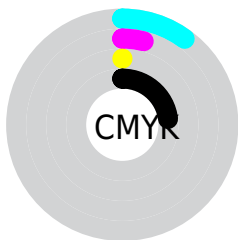
Distribution



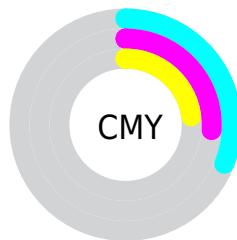
- Red (69%)
- Green (74%)
- Blue (77%)



- Red (69%)
- Yellow (72%)
- Blue (77%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (23%)



- Cyan (31%)
- Magenta (26%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6108, 0.2971, 0.3200 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 49.6108, 0.2971, 0.3200 by changing the saturation by 10% instead.

■ 49.6108, 0.2971,
0.3200

■ 49.6108, 0.2971,
0.3200

■ 385.1420, 0.3048,
0.3245

■ 35.1042, 0.2952,
0.3189

■ 89.5980, 0.2999,
0.3216

■ 23.7432, 0.2928,
0.3174

■ 115.8473, 0.3009,
0.3222

■ 15.1432, 0.2896,
0.3155

■ 146.7798, 0.3018,
0.3228

■ 8.9200, 0.2852,
0.3129

■ 182.7797, 0.3026,
0.3232

■ 4.6890, 0.2788,
0.3089

■ 224.2315, 0.3032,
0.3236

■ 2.0660, 0.2685,
0.3024

■ 271.5196, 0.3038,

■ 0.6454, 0.2399,

0.3239

0.2877

325.0282, 0.3043,
0.3242

0.0000, 0.0000,
0.0000

49.6108, 0.2971,
0.3200

49.6108, 0.2971,
0.3200

44.6212, 0.2817,
0.3102

55.0727, 0.3124,
0.3288

40.0818, 0.2664,
0.2996

61.0159, 0.3274,
0.3367

35.9777, 0.2516,
0.2880

67.4566, 0.3418,
0.3438

32.2905, 0.2376,
0.2758

74.4085, 0.3556,
0.3500

29.0004, 0.2248,
0.2629

78.1074, 0.3546,
0.3568

■ 26.0855, 0.2137,
0.2497

■ 81.8347, 0.3531,
0.3635

■ 23.5210, 0.2044,
0.2363

■ 85.7110, 0.3516,
0.3701

■ 21.2780, 0.1971,
0.2230

■ 89.7380, 0.3501,
0.3765

■ 19.3403, 0.1917,
0.2102

■ 93.9172, 0.3487,
0.3829

Harmonies

Analogous

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



49.6108, 0.2983, 0.3266



49.6108, 0.2971, 0.3200



49.6108, 0.3000, 0.3159

Triad

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



49.6108, 0.2971, 0.3200



49.6108, 0.3221, 0.3241



49.6108, 0.3191, 0.3430

Complementary

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



49.6108, 0.2971, 0.3200



48.7141, 0.3295, 0.3378

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.



49.6108, 0.3256, 0.3422



49.6108, 0.2971, 0.3200



49.6108, 0.3273, 0.3312

Square

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



49.6108, 0.2971, 0.3200



49.6108, 0.3143, 0.3184



49.6108, 0.3286, 0.3378



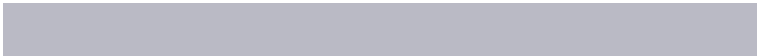
49.6108, 0.3110, 0.3400

Rectangle

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



49.6108, 0.2971, 0.3200



49.6108, 0.3039, 0.3152



49.6108, 0.3286, 0.3378



49.6108, 0.3215, 0.3432

Sweetspot

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



49.6129, 0.2971, 0.3200



96.8886, 0.3081, 0.3264



52.1045, 0.3067, 0.3462



20.5631, 0.3068, 0.3257



0.0000, 0.0000, 0.0000



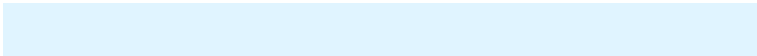
21.4041, 0.3127, 0.3290

Same Dimension

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



49.6129, 0.2971, 0.3200



88.0348, 0.2940, 0.3181



45.5784, 0.2970, 0.3073



10.8184, 0.2984, 0.3208



12.5953, 0.1922, 0.2120



0.6692, 0.2003, 0.2412

Inverse Universe

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



46.4507, 0.3196, 0.3127



81.3386, 0.3211, 0.3095



52.8527, 0.3282, 0.3498



10.1860, 0.3190, 0.3141



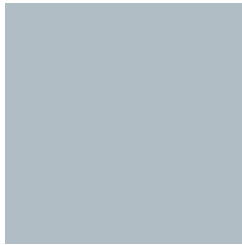
8.5537, 0.4319, 0.2153



0.3822, 0.4011, 0.1983

Previews

White Background



This preview shows how the Yxy color 49.6108, 0.2971, 0.3200 looks on a white background.

Color Contrast Check

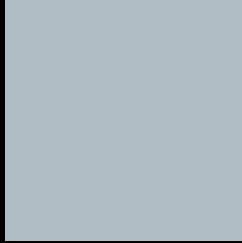
Large Text (above 18pt) WCAG AA × Fail

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 49.6108, 0.2971, 0.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

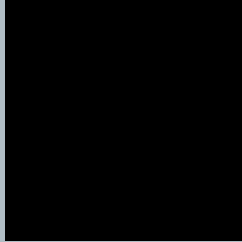
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

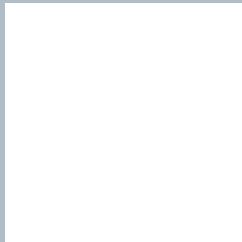
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6108, 0.2971, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 49.6108, 0.2971, 0.3200.



This preview shows how white text looks on a background with the Yxy color 49.6108, 0.2971, 0.3200.

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

49.6108, 0.2971, 0.3200

Protanopia

49.7042, 0.3082, 0.3189

Deuteranopia

49.4043, 0.3154, 0.3083



Tritanopia

49.6253, 0.2929, 0.3099

Trichromacy



Original Color

49.6108, 0.2971, 0.3200

Protanomaly

49.6711, 0.3042, 0.3189

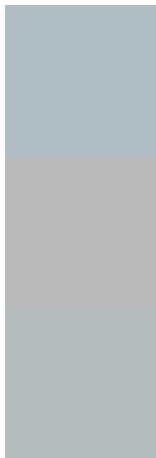
Deuteranomaly

49.3886, 0.3085, 0.3128

Tritanomaly

49.4837, 0.2950, 0.3137

Monochromacy



Original Color

49.6108, 0.2971, 0.3200

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.2034, 0.3063, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6108, 0.2971, 0.3200 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(176, 189, 196)` looks like.

```
.text, #text, p{  
    color:rgb(176, 189, 196)  
}
```

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(176, 189, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 189, 196) }
```

Border

The CSS property to change the border of an element to Yxy 49.6108, 0.2971, 0.3200 is called "border". The border property can be set on classes, ids or directly on the HTML element.

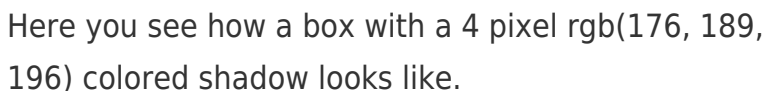
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 189, 196) }
```

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

```
.border{ border-color:rgb(176, 189, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 189, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 189, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 189, 196);  
box-shadow:4px 4px 4px 4px rgb(176, 189,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6108, 0.2971, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 189, 196) }
```

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

```
.background{ background-color: rgb(176,  
189, 196) }
```

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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