

Converting Colors

$Yxy(48.9912, 0.2973, 0.3112)$

Have a look what the booklet for
Yxy(48.9912, 0.2973, 0.3112)
contains.

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Color

Yxy(48.9912, 0.2973, 0.3112)

Conversions

Conversions Part 1

Format	Color
Hex	B4BAC8
RGB	180, 186, 200
RGB Percent	71%, 73%, 78%
CMY	0.2942, 0.2705, 0.2157
CMYK	0.10, 0.07, 0.00, 0.22
HSL	222°, 15%, 75%
HSV	222°, 10%, 78%
XYZ	46.8030, 48.9912, 61.6326
YIQ	185.8020, -8.0700, 3.0820

Conversions

Conversions Part 2

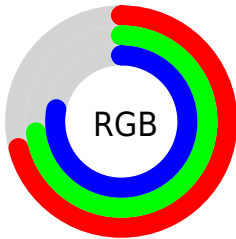
Format	Color
R _Y B	180, 185, 200
Decimal	11844296
CIE Lab	75.45, 0.67, -7.78
CIE LCh	75, 7.806, 274.933
Yxy	48.9912, 0.2973, 0.3112
Android (android.graphics.Color)	4290034376 (0xFFB4BAC8)
YUV	185.8020, 6.9996, -5.0884
Hunter-Lab	69.9937, -3.1307, -3.2119

Details

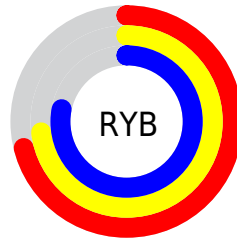
The Yxy color $48.9912, 0.2973, 0.3112$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $54.1448, 0.3283, 0.3462$, and the grayscale version is $48.9493, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.5571, 0.3012, 0.3160$, and $23.3624, 0.2930, 0.3065$ is the 20% darker color. If you saturate the color by 10%, you get $41.1595, 0.2807, 0.2912$, and if you desaturate by 10%, it is $57.7494, 0.3127, 0.3290$.

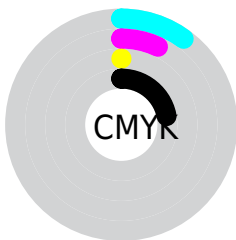
Distribution



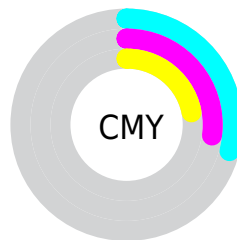
- Red (71%)
- Green (73%)
- Blue (78%)



- Red (71%)
- Yellow (73%)
- Blue (78%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)



- Cyan (29%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9912, 0.2973, 0.3112 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 48.9912, 0.2973, 0.3112 by changing the saturation by 10% instead.

■ 48.9912, 0.2973,
0.3112

■ 48.9912, 0.2973,
0.3112

382.7077, 0.3049,
0.3200

■ 34.6125, 0.2954,
0.3090

■ 88.6784, 0.3001,
0.3144

■ 23.3645, 0.2930,
0.3063

114.7557, 0.3011,
0.3156

■ 14.8629, 0.2898,
0.3026

145.5012, 0.3020,
0.3166

■ 8.7232, 0.2854,
0.2976

181.2995, 0.3027,
0.3175

■ 4.5611, 0.2790,
0.2902

222.5349, 0.3034,
0.3182

■ 1.9921, 0.2685,
0.2784

269.5918, 0.3040,

■ 0.6029, 0.2443,

0.3189

0.2499

322.8546, 0.3045,
0.3195

0.0000, 0.0000,
0.0000

48.9912, 0.2973,
0.3112

48.9912, 0.2973,
0.3112

41.1595, 0.2807,
0.2912

57.7494, 0.3127,
0.3290

34.2169, 0.2632,
0.2691

67.4577, 0.3269,
0.3447

28.1325, 0.2451,
0.2449

78.1463, 0.3397,
0.3584

22.8710, 0.2269,
0.2192

88.8853, 0.3479,
0.3708

18.3946, 0.2093,
0.1926

96.9502, 0.3454,
0.3830

■ 14.6623, 0.1932,
0.1661

■ 11.6286, 0.1793,
0.1409

■ 9.2424, 0.1686,
0.1183

■ 7.4262, 0.1609,
0.0991

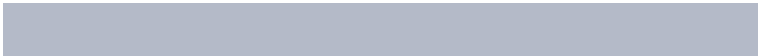
Harmonies

Analogous

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



48.9912, 0.2925, 0.3156



48.9912, 0.2973, 0.3112



48.9912, 0.3063, 0.3115

Triad

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



48.9912, 0.2973, 0.3112



48.9912, 0.3329, 0.3337



48.9912, 0.3081, 0.3422

Complementary

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



48.9912, 0.2973, 0.3112



54.1448, 0.3283, 0.3462

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.



48.9912, 0.3189, 0.3472



48.9912, 0.2973, 0.3112



48.9912, 0.3334, 0.3421

Square

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



48.9912, 0.2973, 0.3112



48.9912, 0.3269, 0.3244



48.9912, 0.3282, 0.3471



48.9912, 0.2986, 0.3335

Rectangle

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



48.9912, 0.2973, 0.3112



48.9912, 0.3135, 0.3143



48.9912, 0.3282, 0.3471



48.9912, 0.3117, 0.3444

Sweetspot

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



48.9933, 0.2973, 0.3112



95.2141, 0.3082, 0.3238



54.8896, 0.3018, 0.3369



20.1115, 0.3069, 0.3224



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.



48.9933, 0.2973, 0.3112



81.7582, 0.2938, 0.3071



46.9524, 0.3002, 0.3036



10.7996, 0.2983, 0.3124



4.8607, 0.1616, 0.1015



0.3592, 0.1736, 0.1447

Inverse Universe

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



48.4599, 0.3252, 0.3216



80.7050, 0.3282, 0.3199



56.3834, 0.3245, 0.3536



10.6886, 0.3243, 0.3221



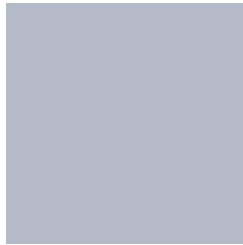
8.0307, 0.5736, 0.2933



0.3933, 0.5128, 0.2598

Previews

White Background



This preview shows how the Yxy color 48.9912, 0.2973, 0.3112 looks on a white background.

Color Contrast Check

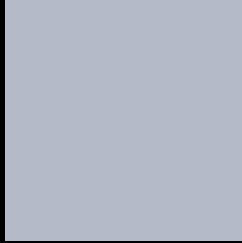
Large Text (above 18pt) WCAG AA × Fail

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 48.9912, 0.2973, 0.3112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

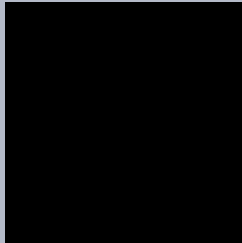
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

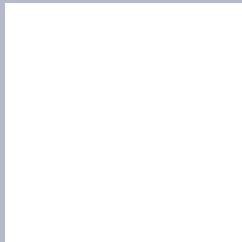
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9912, 0.2973, 0.3112

Background



This preview shows how black text looks on a background with the Yxy color 48.9912, 0.2973, 0.3112.

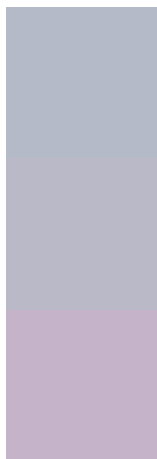


This preview shows how white text looks on a background with the Yxy color 48.9912, 0.2973, 0.3112.

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

48.9912, 0.2973, 0.3112

Protanopia

49.1357, 0.3021, 0.3114

Deuteranopia

48.7299, 0.3105, 0.3033



Tritanopia

49.0382, 0.2966, 0.3100

Trichromacy



Original Color

48.9912, 0.2973, 0.3112

Protanomaly

48.8887, 0.3004, 0.3113

Deuteranomaly

48.7493, 0.3055, 0.3054

Tritanomaly

49.0382, 0.2966, 0.3100

Monochromacy



Original Color

48.9912, 0.2973, 0.3112

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.0697, 0.3072, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9912, 0.2973, 0.3112 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(180, 186, 200)` looks like.

```
.text, #text, p{  
    color:rgb(180, 186, 200)  
}
```

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(180, 186, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 186, 200) }
```

Border

The CSS property to change the border of an element to Yxy 48.9912, 0.2973, 0.3112 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(180, 186, 200) }
```

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

```
.border{ border-color:rgb(180, 186, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 186, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 186, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 186, 200);  
box-shadow:4px 4px 4px 4px rgb(180, 186,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9912, 0.2973, 0.3112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 186, 200) }
```

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

```
.background{ background-color: rgb(180,  
186, 200) }
```

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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