

Converting Colors

$Yxy(48.4307, 0.2954, 0.3097)$

Have a look what the booklet for
Yxy(48.4307, 0.2954, 0.3097)
contains.

Yxy(48.3330, 0.2957, 0.3098)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.3330, 0.2957, 0.3098)

Conversions

Conversions Part 1

Format	Color
Hex	B2B9C8
RGB	178, 185, 200
RGB Percent	70%, 73%, 78%
CMY	0.3020, 0.2745, 0.2156
CMYK	0.11, 0.08, 0.00, 0.22
HSL	221°, 17%, 74%
HSV	221°, 11%, 78%
XYZ	46.1332, 48.3330, 61.5473
YIQ	184.6170, -8.9870, 3.1810

Conversions

Conversions Part 2

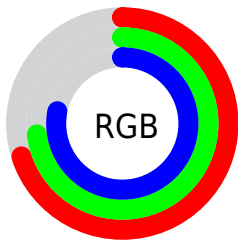
Format	Color
R _Y B	178, 183, 200
Decimal	11712968
CIE Lab	75.03, 0.55, -8.41
CIE LCh	75, 8.428, 273.755
Yxy	48.3330, 0.2957, 0.3098
Android (android.graphics.Color)	4289903048 (0xFFB2B9C8)
YUV	184.6170, 7.5838, -5.8031
Hunter-Lab	69.5219, -3.2148, -3.8237

Details

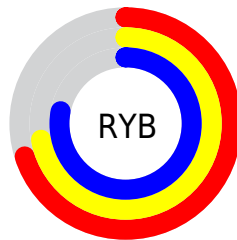
The Yxy color $48.3330, 0.2957, 0.3098$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $53.6321, 0.3300, 0.3475$, and the grayscale version is $48.2533, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.6230, 0.2999, 0.3150$, and $22.9378, 0.2908, 0.3046$ is the 20% darker color. If you saturate the color by 10%, you get $40.7076, 0.2791, 0.2901$, and if you desaturate by 10%, it is $56.8540, 0.3112, 0.3273$.

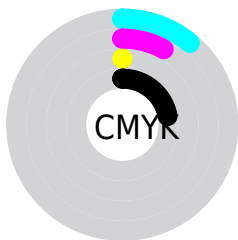
Distribution



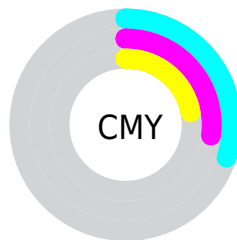
- Red (70%)
- Green (73%)
- Blue (78%)



- Red (70%)
- Yellow (72%)
- Blue (78%)



- Cyan (11%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)



- Cyan (30%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3330, 0.2957, 0.3098 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 48.3330, 0.2957, 0.3098 by changing the saturation by 10% instead.

■ 48.3330, 0.2957,
0.3098

■ 48.3330, 0.2957,
0.3098

380.1105, 0.3041,
0.3193

■ 34.0907, 0.2936,
0.3075

■ 87.7000, 0.2988,
0.3132

■ 22.9633, 0.2909,
0.3045

113.5935, 0.2999,
0.3145

■ 14.5664, 0.2874,
0.3005

144.1394, 0.3009,
0.3156

■ 8.5156, 0.2825,
0.2950

179.7223, 0.3017,
0.3166

■ 4.4266, 0.2753,
0.2870

220.7264, 0.3024,
0.3174

■ 1.9150, 0.2637,
0.2740

267.5363, 0.3031,

■ 0.5573, 0.2347,

0.3181

0.2408

320.5362, 0.3036,
0.3187

0.0000, 0.0000,
0.0000

48.3330, 0.2957,
0.3098

48.3330, 0.2957,
0.3098

40.7076, 0.2791,
0.2901

56.8540, 0.3112,
0.3273

33.9416, 0.2616,
0.2683

66.2931, 0.3255,
0.3428

28.0049, 0.2436,
0.2446

76.6796, 0.3386,
0.3564

22.8637, 0.2256,
0.2194

87.4675, 0.3484,
0.3686

18.4812, 0.2084,
0.1934

95.7735, 0.3457,
0.3813

■ 14.8178, 0.1926,
0.1675

■ 96.9506, 0.3454,
0.3830

■ 11.8292, 0.1793,
0.1428

■ 9.4656, 0.1689,
0.1206

■ 7.8073, 0.1620,
0.1033

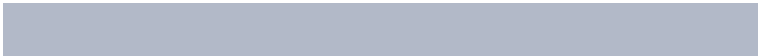
Harmonies

Analogous

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



48.3330, 0.2907, 0.3147



48.3330, 0.2957, 0.3098



48.3330, 0.3053, 0.3100

Triad

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



48.3330, 0.2957, 0.3098



48.3330, 0.3345, 0.3337



48.3330, 0.3081, 0.3437

Complementary

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



48.3330, 0.2957, 0.3098



53.6321, 0.3300, 0.3475

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.



48.3330, 0.3199, 0.3489



48.3330, 0.2957, 0.3098



48.3330, 0.3352, 0.3428

Square

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



48.3330, 0.2957, 0.3098



48.3330, 0.3278, 0.3236



48.3330, 0.3298, 0.3485



48.3330, 0.2978, 0.3343

Rectangle

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



48.3330, 0.2957, 0.3098



48.3330, 0.3131, 0.3128



48.3330, 0.3298, 0.3485



48.3330, 0.3121, 0.3460

Sweetspot

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



48.3350, 0.2957, 0.3098



95.2971, 0.3082, 0.3240



54.6130, 0.3010, 0.3383



20.1338, 0.3069, 0.3226



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.



48.3350, 0.2957, 0.3098



80.6719, 0.2922, 0.3057



45.9110, 0.2986, 0.3009



10.8300, 0.2983, 0.3128



5.1077, 0.1627, 0.1058



0.3736, 0.1748, 0.1491

Inverse Universe

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



47.6206, 0.3262, 0.3203



79.2726, 0.3293, 0.3186



56.3091, 0.3260, 0.3561



10.6917, 0.3240, 0.3217



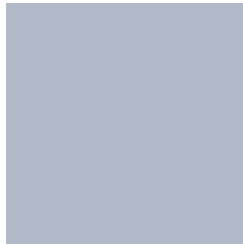
8.0556, 0.5672, 0.2898



0.3947, 0.5071, 0.2567

Previews

White Background



This preview shows how the Yxy color 48.3330, 0.2957, 0.3098 looks on a white background.

Color Contrast Check

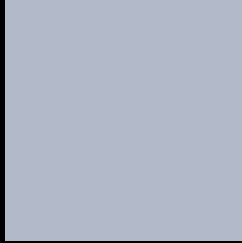
Large Text (above 18pt) WCAG AA × Fail

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 48.3330, 0.2957, 0.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

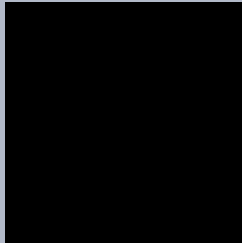
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

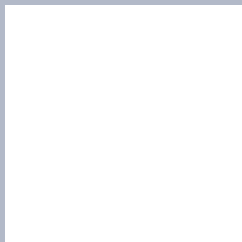
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3330, 0.2957, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 48.3330, 0.2957, 0.3098.

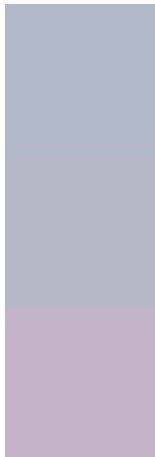


This preview shows how white text looks on a background with the Yxy color 48.3330, 0.2957, 0.3098.

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

48.3330, 0.2957, 0.3098

Protanopia

48.1808, 0.3013, 0.3088

Deuteranopia

48.0593, 0.3089, 0.3019



Tritanopia

48.3330, 0.2957, 0.3098

Trichromacy



Original Color

48.3330, 0.2957, 0.3098

Protanomaly

48.3496, 0.2996, 0.3099

Deuteranomaly

48.0836, 0.3039, 0.3041

Tritanomaly

48.3330, 0.2957, 0.3098

Monochromacy



Original Color

48.3330, 0.2957, 0.3098

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.3607, 0.3064, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3330, 0.2957, 0.3098 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(178, 185, 200)` looks like.

```
.text, #text, p{  
    color:rgb(178, 185, 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(178, 185, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 185, 200) }
```

Border

The CSS property to change the border of an element to Yxy 48.3330, 0.2957, 0.3098 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(178, 185, 200) }
```

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

```
.border{ border-color:rgb(178, 185, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 185, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 185, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 185, 200);  
box-shadow:4px 4px 4px 4px rgb(178, 185,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3330, 0.2957, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 185, 200) }
```

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

```
.background{ background-color: rgb(178,  
185, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor