

Converting Colors

$Yxy(49.8395, 0.2907, 0.3042)$

Have a look what the booklet for
Yxy(49.8395, 0.2907, 0.3042)
contains.

Yxy(49.9364, 0.2908, 0.3050)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.9364, 0.2908, 0.3050)

Conversions

Conversions Part 1

Format	Color
Hex	B2BCCF
RGB	178, 188, 207
RGB Percent	70%, 74%, 81%
CMY	0.3019, 0.2628, 0.1881
CMYK	0.14, 0.09, 0.00, 0.19
HSL	219°, 23%, 75%
HSV	219°, 14%, 81%
XYZ	47.6115, 49.9364, 66.1780
YIQ	187.1760, -12.0590, 3.7890

Conversions

Conversions Part 2

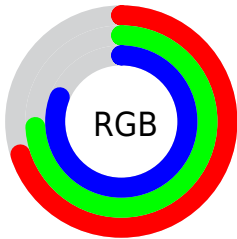
Format	Color
R _{YB}	178, 185, 207
Decimal	11713743
CIE Lab	76.03, 0.41, -10.74
CIE LCh	76, 10.749, 272.203
Yxy	49.9364, 0.2908, 0.3050
Android (android.graphics.Color)	4289903823 (0xFFB2BCCF)
YUV	187.1760, 9.7732, -8.0474
Hunter-Lab	70.6657, -3.3994, -6.0588

Details

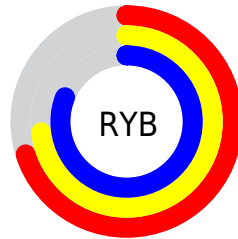
The Yxy color $49.9364, 0.2908, 0.3050$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $56.4407, 0.3352, 0.3519$, and the grayscale version is $49.7507, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.4138, 0.2999, 0.3180$, and $23.9878, 0.2844, 0.2983$ is the 20% darker color. If you saturate the color by 10%, you get $42.1384, 0.2740, 0.2854$, and if you desaturate by 10%, it is $58.6544, 0.3067, 0.3225$.

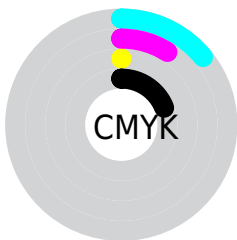
Distribution



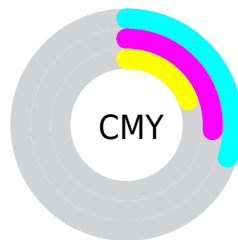
- Red (70%)
- Green (74%)
- Blue (81%)



- Red (70%)
- Yellow (73%)
- Blue (81%)



- Cyan (14%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)



- Cyan (30%)
- Magenta (26%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9364, 0.2908, 0.3050 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 49.9364, 0.2908, 0.3050 by changing the saturation by 10% instead.

■ 49.9364, 0.2908,
0.3050

■ 49.9364, 0.2908,
0.3050

386.4172, 0.3016,
0.3168

■ 35.3629, 0.2882,
0.3021

■ 90.0806, 0.2947,
0.3092

■ 23.9425, 0.2848,
0.2984

116.4201, 0.2962,
0.3109

■ 15.2910, 0.2804,
0.2936

147.4504, 0.2974,
0.3122

■ 9.0239, 0.2743,
0.2870

183.5558, 0.2985,
0.3134

■ 4.7568, 0.2654,
0.2774

225.1208, 0.2994,
0.3144

■ 2.1053, 0.2514,
0.2621

272.5298, 0.3002,

■ 0.6676, 0.2233,

0.3153

0.2313

326.1671, 0.3010,
0.3161

0.0000, 0.0000,
0.0000

49.9364, 0.2908,
0.3050

49.9364, 0.2908,
0.3050

42.1384, 0.2740,
0.2854

58.6544, 0.3067,
0.3225

35.2226, 0.2564,
0.2638

68.3159, 0.3214,
0.3381

29.1577, 0.2386,
0.2405

78.9517, 0.3350,
0.3517

23.9080, 0.2211,
0.2158

89.4660, 0.3433,
0.3641

19.4349, 0.2045,
0.1906

97.2864, 0.3412,
0.3760

■ 15.6963, 0.1897,
0.1656

■ 12.6452, 0.1774,
0.1419

■ 10.2275, 0.1681,
0.1207

■ 9.0382, 0.1637,
0.1094

Harmonies

Analogous

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



49.9364, 0.2849, 0.3114



49.9364, 0.2908, 0.3050



49.9364, 0.3026, 0.3049

Triad

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



49.9364, 0.2908, 0.3050



49.9364, 0.3400, 0.3342



49.9364, 0.3076, 0.3481

Complementary

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



49.9364, 0.2908, 0.3050



56.4407, 0.3352, 0.3519

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.



49.9364, 0.3224, 0.3544



49.9364, 0.2908, 0.3050



49.9364, 0.3413, 0.3458

Square

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



49.9364, 0.2908, 0.3050



49.9364, 0.3311, 0.3215



49.9364, 0.3348, 0.3534



49.9364, 0.2945, 0.3364

Rectangle

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



49.9364, 0.2908, 0.3050



49.9364, 0.3123, 0.3084



49.9364, 0.3348, 0.3534



49.9364, 0.3126, 0.3509

Sweetspot

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



49.9385, 0.2908, 0.3050



93.9208, 0.3066, 0.3225



58.1321, 0.2982, 0.3416



19.8642, 0.3054, 0.3212



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.



49.9385, 0.2908, 0.3050



75.8620, 0.2855, 0.2990



46.3454, 0.2939, 0.2925



12.0730, 0.2982, 0.3133



5.8524, 0.1644, 0.1118



0.4736, 0.1749, 0.1494

Inverse Universe

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



48.7488, 0.3299, 0.3170



73.6939, 0.3346, 0.3141



60.5056, 0.3301, 0.3638



11.8744, 0.3237, 0.3210



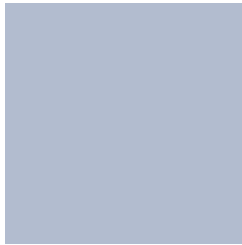
8.6621, 0.5583, 0.2849



0.4991, 0.5067, 0.2565

Previews

White Background



This preview shows how the Yxy color 49.9364, 0.2908, 0.3050 looks on a white background.

Color Contrast Check

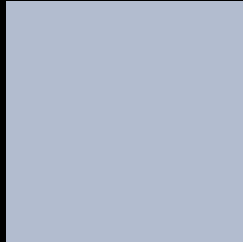
Large Text (above 18pt) WCAG AA × Fail

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 49.9364, 0.2908, 0.3050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

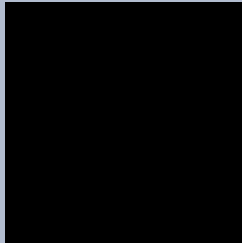
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

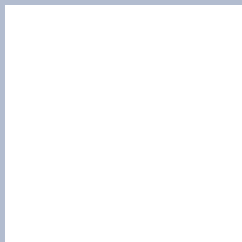
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9364, 0.2908, 0.3050

Background



This preview shows how black text looks on a background with the Yxy color 49.9364, 0.2908, 0.3050.



This preview shows how white text looks on a background with the Yxy color 49.9364, 0.2908, 0.3050.

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

49.9364, 0.2908, 0.3050

Protanopia

49.8883, 0.2969, 0.3041

Deuteranopia

49.7457, 0.3043, 0.2975



Tritanopia

50.1019, 0.2922, 0.3100

Trichromacy



Original Color

49.9364, 0.2908, 0.3050

Protanomaly

49.9420, 0.2946, 0.3052

Deuteranomaly

49.6539, 0.2986, 0.2995

Tritanomaly

50.1501, 0.2915, 0.3087

Monochromacy



Original Color

49.9364, 0.2908, 0.3050

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6260, 0.3049, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9364, 0.2908, 0.3050 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, 188, 207)` looks like.

```
.text, #text, p{  
    color:rgb(178, 188, 207)  
}
```

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, 188, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 188, 207) }
```

Border

The CSS property to change the border of an element to Yxy 49.9364, 0.2908, 0.3050 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, 188, 207) }
```

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

```
.border{ border-color:rgb(178, 188, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 188, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 188, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 188, 207);  
box-shadow:4px 4px 4px 4px rgb(178, 188,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9364, 0.2908, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 188, 207) }
```

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

```
.background{ background-color: rgb(178,  
188, 207) }
```

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