

Converting Colors

Yxy(49.0827, 0.2977, 0.3164)

Have a look what the booklet for
Yxy(49.0827, 0.2977, 0.3164)
contains.

Yxy(49.0368, 0.2979, 0.3162) 3

***Conversions* 4**

***Details* 6**

***Harmonies* 12**

***Previews* 24**

***Color Blindness Simulation* 27**

***CSS Examples* 30**

Color

Yxy(49.0368, 0.2979, 0.3162)

Conversions

Conversions Part 1	
Format	Color
Hex	B2BBC5
RGB	178, 187, 197
RGB Percent	70%, 73%, 77%
CMY	0.3022, 0.2666, 0.2275
CMYK	0.10, 0.05, 0.00, 0.23
HSL	211°, 14%, 74%
HSV	211°, 10%, 77%
XYZ	46.1988, 49.0368, 59.8460
YIQ	185.4490, -8.5740, 1.2020

Conversions

Conversions Part 2

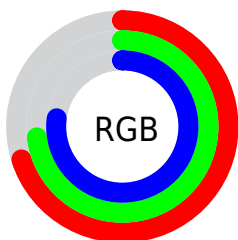
Format	Color
RYB	178, 184, 197
Decimal	11713477
CIELab	75.47, -1.16, -6.11
CIELCh	75, 6.222, 259.281
Yxy	49.0368, 0.2979, 0.3162
Android (android.graphics.Color)	4289903557 (0xFFB2BBC5)
YUV	185.4490, 5.6946, -6.5328
Hunter-Lab	70.0263, -4.7832, -1.6521

Details

The Yxy color `49.0368, 0.2979, 0.3162` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `51.0140, 0.3281, 0.3415`, and the grayscale version is `48.7468, 0.3127, 0.3290`.

A 20% lighter version of the original color is `88.7494, 0.3005, 0.3180`, and `23.3933, 0.2938, 0.3133` is the 20% darker color. If you saturate the color by 10%, you get `42.6527, 0.2819, 0.3015`, and if you desaturate by 10%, it is `56.0741, 0.3132, 0.3294`.

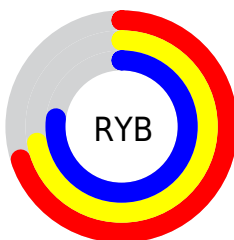
Distribution



Red (70%)

Green (73%)

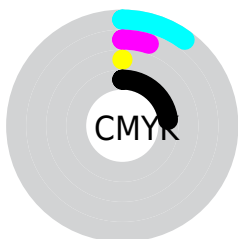
Blue (77%)



Red (70%)

Yellow (72%)

Blue (77%)

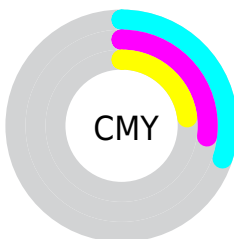


Cyan (10%)

Magenta (5%)

Yellow (0%)

Black (23%)



Cyan (30%)


Magenta (27%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0368, 0.2979, 0.3162 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 49.0368, 0.2979, 0.3162 by changing the saturation by 10% instead.

 49.0368, 0.2979,
0.3162

 49.0368, 0.2979,
0.3162


382.8872, 0.3052,
0.3226

 34.6487, 0.2961,
0.3146


 88.7461, 0.3005,
0.3185

 23.3924, 0.2938,
0.3126

114.8361, 0.3015,
0.3194

 14.8835, 0.2907,
0.3099


145.5954, 0.3024,
0.3201

 8.7377, 0.2865,
0.3062

181.4086, 0.3031,
0.3207

 4.5705, 0.2804,
0.3008

222.6600, 0.3037,
0.3213

 1.9975, 0.2704,
0.2919

269.7339, 0.3043,

 0.6060, 0.2438,

0.3218

0.2698

323.0149, 0.3048,
0.3222

0.0000, 0.0000,
0.0000

49.0368, 0.2979,
0.3162

49.0368, 0.2979,
0.3162

42.6527, 0.2819,
0.3015

56.0741, 0.3132,
0.3294

36.8948, 0.2656,
0.2852

63.7780, 0.3277,
0.3412

31.7433, 0.2491,
0.2674

72.1695, 0.3414,
0.3515

27.1746, 0.2330,
0.2485

80.9336, 0.3528,
0.3608

23.1634, 0.2177,
0.2285

86.7895, 0.3506,
0.3707

■ 19.6823, 0.2038,
0.2082

■ 92.9899, 0.3484,
0.3804

■ 16.7006, 0.1919,
0.1878

■ 96.8107, 0.3472,
0.3860

■ 14.1831, 0.1824,
0.1682

■ 12.0716, 0.1750,
0.1498

Harmonies

Analogous

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



49.0368, 0.2962, 0.3215



49.0368, 0.2979, 0.3162



49.0368, 0.3035, 0.3144

Triad

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



49.0368, 0.2979, 0.3162



49.0368, 0.3268, 0.3289



49.0368, 0.3136, 0.3420

Complementary

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



49.0368, 0.2979, 0.3162



51.0140, 0.3281, 0.3415

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.



49.0368, 0.3218, 0.3440



49.0368, 0.2979, 0.3162



49.0368, 0.3295, 0.3362

Square

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



49.0368, 0.2979, 0.3162



49.0368, 0.3202, 0.3217



49.0368, 0.3277, 0.3418



49.0368, 0.3052, 0.3365

Rectangle

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



49.0368, 0.2979, 0.3162



49.0368, 0.3088, 0.3154



49.0368, 0.3277, 0.3418



49.0368, 0.3165, 0.3431

Sweetspot

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



49.0389, 0.2979, 0.3162



96.0483, 0.3081, 0.3251



53.0084, 0.3045, 0.3407



20.3362, 0.3069, 0.3241



0.0000, 0.0000, 0.0000



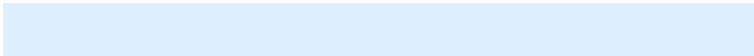
21.4041, 0.3127, 0.3290

Same Dimension

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



49.0389, 0.2979, 0.3162



84.8498, 0.2939, 0.3126



45.3491, 0.2981, 0.3044



11.1069, 0.2983, 0.3166



8.0626, 0.1754, 0.1515



0.5266, 0.1863, 0.1907

Inverse Universe

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



47.2791, 0.3219, 0.3177



81.0171, 0.3246, 0.3147



54.9659, 0.3267, 0.3525



10.7197, 0.3216, 0.3180



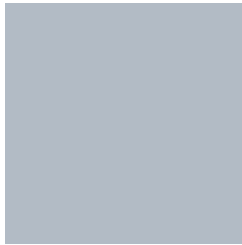
8.3539, 0.5039, 0.2550



0.4102, 0.4559, 0.2285

Previews

White Background



This preview shows how the Yxy color 49.0368, 0.2979, 0.3162 looks on a white background.

Color Contrast Check

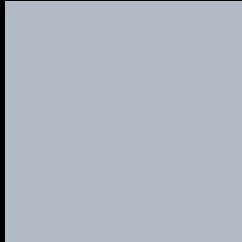
Large Text (above 18pt) WCAG AA × Fail

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 49.0368, 0.2979, 0.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

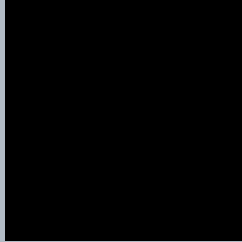
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

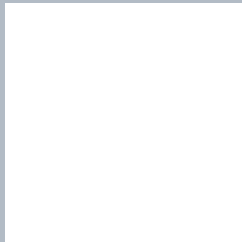
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0368, 0.2979, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 49.0368, 0.2979, 0.3162.

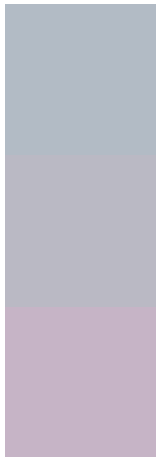


This preview shows how white text looks on a background with the Yxy color 49.0368, 0.2979, 0.3162.

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

49.0368, 0.2979, 0.3162

Protanopia

49.1225, 0.3051, 0.3151

Deuteranopia

48.7255, 0.3138, 0.3070



Tritanopia

48.9186, 0.2958, 0.3099

Trichromacy



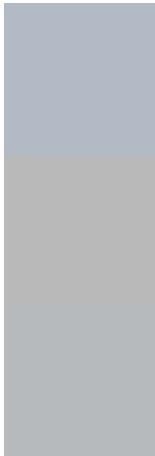
Original Color
49.0368, 0.2979, 0.3162

Protanomaly
49.1706, 0.3027, 0.3163

Deuteranomaly
49.0206, 0.3078, 0.3103

Tritanomaly
48.8716, 0.2965, 0.3111

Monochromacy



Original Color
49.0368, 0.2979, 0.3162

Achromatopsia
48.5150, 0.3127, 0.3290

Achromatomaly
48.7370, 0.3071, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0368, 0.2979, 0.3162 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, 187, 197) looks like.

```
.text, #text, p{  
    color:rgb(178, 187, 197)  
}
```

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, 187, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 187, 197) }
```

Border

The CSS property to change the border of an element to Yxy 49.0368, 0.2979, 0.3162 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, 187, 197) }
```

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

```
.border{ border-color:rgb(178, 187, 197) }
```

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

Here you see how a box with a 4 pixel rgb(178, 187, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 187, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 187, 197);  
box-shadow:4px 4px 4px 4px rgb(178, 187,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0368, 0.2979, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 187, 197) }
```

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

```
.background{ background-color: rgb(178,  
187, 197) }
```

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