

Converting Colors

$Y_{xy}(38.3478, 0.3061, 0.2902)$

Have a look what the booklet for
Yxy(38.3478, 0.3061, 0.2902)
contains.

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Color

Yxy(38.5190, 0.3062, 0.2906)

Conversions

Conversions Part 1

Format	Color
Hex	B4A0BD
RGB	180, 160, 189
RGB Percent	71%, 63%, 74%
CMY	0.2939, 0.3726, 0.2588
CMYK	0.05, 0.15, 0.00, 0.26
HSL	281°, 18%, 68%
HSV	281°, 15%, 74%
XYZ	40.5868, 38.5190, 53.4441
YIQ	169.2860, 2.6110, 13.2590

Conversions

Conversions Part 2

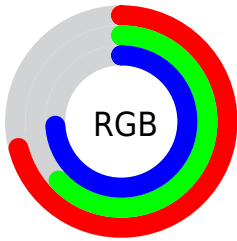
Format	Color
RYB	180, 160, 189
Decimal	11837629
CIELab	68.40, 12.72, -12.25
CIELCh	68, 17.655, 316.087
Yxy	38.5190, 0.3062, 0.2906
Android (android.graphics.Color)	4290027709 (0xFFB4A0BD)
YUV	169.2860, 9.7190, 9.3962
Hunter-Lab	62.0637, 8.1193, -7.6111

Details

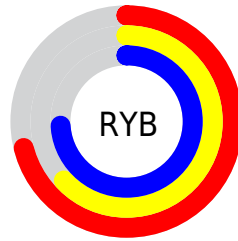
The Yxy color **38.5190, 0.3062, 0.2906** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.3660, 0.3182, 0.3686**, and the grayscale version is **39.7783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0263, 0.3078, 0.2982**, and **17.0147, 0.3034, 0.2781** is the 20% darker color. If you saturate the color by 10%, you get **31.7725, 0.3010, 0.2640**, and if you desaturate by 10%, it is **46.2945, 0.3106, 0.3160**.

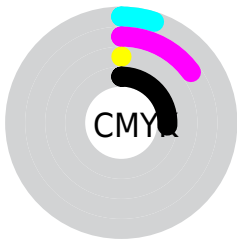
Distribution



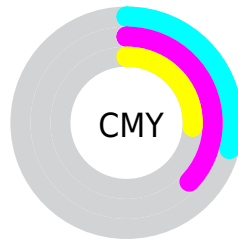
- Red (71%)
- Green (63%)
- Blue (74%)



- Red (71%)
- Yellow (63%)
- Blue (74%)



- Cyan (5%)
- Magenta (15%)
- Yellow (0%)
- Black (26%)





- Cyan (29%)
- Magenta (37%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5190, 0.3062, 0.2906 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 38.5190, 0.3062, 0.2906 by changing the saturation by 10% instead.


 38.5190, 0.3062,
0.2906

 38.5190, 0.3062,
0.2906


339.8411, 0.3098,
0.3099

 26.3857, 0.3052,
0.2858


 72.9029, 0.3076,
0.2976

 17.1124, 0.3039,
0.2795


 95.9224, 0.3081,
0.3003

 10.3147, 0.3020,
0.2712

123.3394, 0.3085,
0.3025

 5.6081, 0.2993,
0.2596

155.5383, 0.3088,
0.3044

 2.6083, 0.2947,
0.2422

192.9036, 0.3091,
0.3060

 0.9308, 0.2859,
0.2136

235.8195, 0.3093,

 0.0000, 0.1766,

0.3075

0.0000

284.6706, 0.3096,
0.3088

0.0000, 0.0000,
0.0000

38.5190, 0.3062,
0.2906

38.5190, 0.3062,
0.2906

31.7725, 0.3010,
0.2640

46.2945, 0.3106,
0.3160

26.0049, 0.2949,
0.2367

55.1365, 0.3143,
0.3398

21.1692, 0.2880,
0.2097

65.0865, 0.3174,
0.3618

17.2125, 0.2805,
0.1840

76.1823, 0.3198,
0.3819

14.0766, 0.2724,
0.1608

88.4601, 0.3218,
0.4001

■ 11.6960, 0.2640,
0.1412

■ 89.6522, 0.3255,
0.3998

■ 9.9948, 0.2557,
0.1261

■ 90.5521, 0.3293,
0.3989

■ 8.8799, 0.2477,
0.1157

■ 91.4839, 0.3331,
0.3981

■ 8.4706, 0.2440,
0.1118

■ 92.4479, 0.3369,
0.3972

Harmonies

Analogous

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



38.5190, 0.2823, 0.2853



38.5190, 0.3062, 0.2906



38.5190, 0.3329, 0.3051

Triad

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



38.5190, 0.3062, 0.2906



38.5190, 0.3602, 0.3661



38.5190, 0.2722, 0.3305

Complementary

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



38.5190, 0.3062, 0.2906



47.3660, 0.3182, 0.3686

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.



38.5190, 0.2918, 0.3548



38.5190, 0.3062, 0.2906



38.5190, 0.3427, 0.3755

Square

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



38.5190, 0.3062, 0.2906



38.5190, 0.3648, 0.3476



38.5190, 0.3175, 0.3717



38.5190, 0.2633, 0.3070

Rectangle

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



38.5190, 0.3062, 0.2906



38.5190, 0.3484, 0.3183



38.5190, 0.3175, 0.3717



38.5190, 0.2777, 0.3389

Sweetspot

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



38.5206, 0.3062, 0.2906



83.3136, 0.3108, 0.3167



39.5889, 0.2887, 0.3016



17.6918, 0.3105, 0.3150



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.5206, 0.3062, 0.2906



65.2514, 0.3047, 0.2829



39.4049, 0.3192, 0.2982



9.5444, 0.3090, 0.3060



5.7405, 0.2450, 0.1123



0.2579, 0.2638, 0.1227

Inverse Universe

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



38.8200, 0.3326, 0.3172



65.8995, 0.3372, 0.3148



46.5990, 0.3069, 0.3619



9.5836, 0.3241, 0.3219



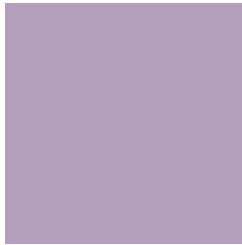
7.4995, 0.5702, 0.2915



0.3058, 0.5002, 0.2529

Previews

White Background



This preview shows how the Yxy color 38.5190, 0.3062, 0.2906 looks on a white background.

Color Contrast Check

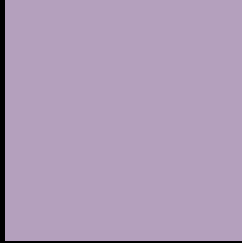
Large Text (above 18pt) WCAG AA × Fail

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 38.5190, 0.3062, 0.2906 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 38.5190, 0.3062, 0.2906

Background



This preview shows how black text looks on a background with the Yxy color 38.5190, 0.3062, 0.2906.



This preview shows how white text looks on a background with the Yxy color 38.5190, 0.3062, 0.2906.

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

38.5190, 0.3062, 0.2906

Protanopia

38.8041, 0.2872, 0.2920

Deuteranopia

38.7527, 0.2998, 0.2940



Tritanopia

38.4008, 0.3164, 0.3114

Trichromacy



Original Color

38.5190, 0.3062, 0.2906

Protanomaly

38.7917, 0.2939, 0.2911

Deuteranomaly

38.7449, 0.3025, 0.2929

Tritanomaly

38.3687, 0.3130, 0.3034

Monochromacy



Original Color

38.5190, 0.3062, 0.2906

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.2913, 0.3106, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5190, 0.3062, 0.2906 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, 160, 189)` looks like.

```
.text, #text, p{  
    color:rgb(180, 160, 189)  
}
```

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, 160, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 160, 189) }
```

Border

The CSS property to change the border of an element to Yxy 38.5190, 0.3062, 0.2906 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, 160, 189) }
```

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

```
.border{ border-color:rgb(180, 160, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 160, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 160, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 160, 189);  
box-shadow:4px 4px 4px 4px rgb(180, 160,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5190, 0.3062, 0.2906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 160, 189) }
```

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

```
.background{ background-color: rgb(180,  
160, 189) }
```

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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