

Converting Colors

$Y_{xy}(31.3596, 0.3038, 0.2593)$

Have a look what the booklet for
Yxy(31.3596, 0.3038, 0.2593)
contains.

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Color

Yxy(31.3596, 0.3038, 0.2593)

Conversions

Conversions Part 1

Format	Color
Hex	B28ABE
RGB	178, 138, 190
RGB Percent	70%, 54%, 75%
CMY	0.3020, 0.4588, 0.2549
CMYK	0.06, 0.27, 0.00, 0.25
HSL	286°, 29%, 64%
HSV	286°, 27%, 75%
XYZ	36.7414, 31.3596, 52.8384
YIQ	155.8880, 7.1480, 24.6520

Conversions

Conversions Part 2

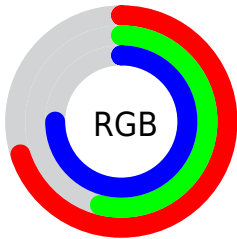
Format	Color
RYB	178, 138, 190
Decimal	11700926
CIELab	62.81, 24.53, -21.29
CIELCh	63, 32.480, 319.050
Yxy	31.3596, 0.3038, 0.2593
Android (android.graphics.Color)	4289891006 (0xFFB28ABE)
YUV	155.8880, 16.8172, 19.3922
Hunter-Lab	55.9996, 19.1146, -16.7433

Details

The Yxy color **31.3596, 0.3038, 0.2593** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.1548, 0.3188, 0.4045**, and the grayscale version is **33.1149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8455, 0.3062, 0.2728**, and **13.1170, 0.3009, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **25.8655, 0.2994, 0.2328**, and if you desaturate by 10%, it is **37.8268, 0.3076, 0.2856**.

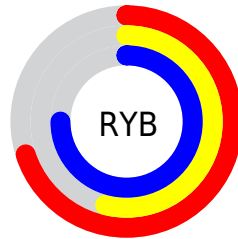
Distribution



Red (70%)

Green (54%)

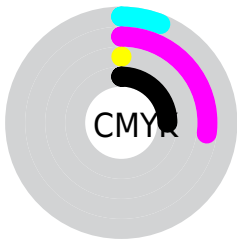
Blue (75%)



Red (70%)

Yellow (54%)

Blue (75%)

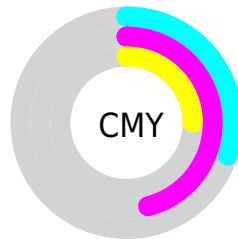


Cyan (6%)

Magenta (27%)

Yellow (0%)

Black (25%)



Cyan (30%)


Magenta (46%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3596, 0.3038, 0.2593 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 31.3596, 0.3038, 0.2593 by changing the saturation by 10% instead.


 31.3596, 0.3038,
0.2593


 31.3596, 0.3038,
0.2593


308.1916, 0.3092,
0.2945

 20.8728, 0.3021,
0.2505


 61.8058, 0.3060,
0.2721

 13.0311, 0.2998,
0.2391


 82.5340, 0.3067,
0.2770

 7.4499, 0.2964,
0.2240


 107.4448, 0.3074,
0.2810

 3.7451, 0.2909,
0.2030

136.9226, 0.3079,
0.2845

 1.5320, 0.2811,
0.1722

171.3518, 0.3083,
0.2875

 0.3111, 0.2701,
0.0938

211.1167, 0.3086,

 0.0000, 0.0000,

0.2901

0.0000

256.6019, 0.3089,
0.2924

■ 31.3596, 0.3038,
0.2593

■ 31.3596, 0.3038,
0.2593

■ 25.8655, 0.2994,
0.2328

■ 37.8268, 0.3076,
0.2856

■ 21.2907, 0.2944,
0.2071

■ 45.3094, 0.3107,
0.3111

■ 17.5822, 0.2888,
0.1832

■ 53.8519, 0.3133,
0.3352

■ 14.6799, 0.2829,
0.1622

■ 63.4951, 0.3154,
0.3577

■ 12.5159, 0.2767,
0.1451

■ 74.2774, 0.3171,
0.3784

■ 11.0107, 0.2705,
0.1324

■ 86.2356, 0.3184,
0.3973

■ 10.0512, 0.2645,
0.1241

■ 88.7562, 0.3209,
0.3996

■ 9.8361, 0.2629,
0.1222

■ 89.4050, 0.3237,
0.3990

■ 90.0715, 0.3265,
0.3983

Harmonies

Analogous

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



31.3596, 0.2574, 0.2470



31.3596, 0.3038, 0.2593



31.3596, 0.3567, 0.2867

Triad

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



31.3596, 0.3038, 0.2593



31.3596, 0.4027, 0.4014



31.3596, 0.2323, 0.3247

Complementary

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



31.3596, 0.3038, 0.2593



45.1548, 0.3188, 0.4045

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.



31.3596, 0.2664, 0.3767



31.3596, 0.3038, 0.2593



31.3596, 0.3648, 0.4221

Square

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



31.3596, 0.3038, 0.2593



31.3596, 0.4163, 0.3650



31.3596, 0.3147, 0.4146



31.3596, 0.2190, 0.2798

Rectangle

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



31.3596, 0.3038, 0.2593



31.3596, 0.3874, 0.3109



31.3596, 0.3147, 0.4146



31.3596, 0.2415, 0.3422

Sweetspot

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



31.3609, 0.3038, 0.2593



80.9977, 0.3105, 0.3092



30.9804, 0.2676, 0.2699



17.3104, 0.3101, 0.3054



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



31.3609, 0.3038, 0.2593



50.4812, 0.3012, 0.2430



32.2683, 0.3297, 0.2786



9.5821, 0.3102, 0.3061



6.5762, 0.2637, 0.1226



0.2852, 0.2781, 0.1306

Inverse Universe

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



31.3311, 0.3577, 0.3127



50.4961, 0.3718, 0.3088



44.4992, 0.2992, 0.3854



9.5716, 0.3253, 0.3237



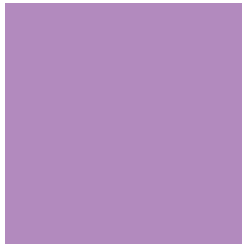
7.4101, 0.5960, 0.3057



0.3006, 0.5273, 0.2678

Previews

White Background



This preview shows how the Yxy color 31.3596, 0.3038, 0.2593 looks on a white background.

Color Contrast Check

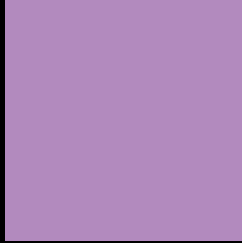
Large Text (above 18pt) WCAG AA × Fail

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 31.3596, 0.3038, 0.2593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

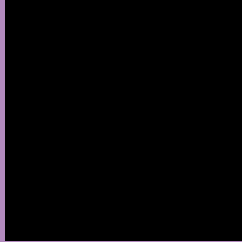
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3596, 0.3038, 0.2593

Background



This preview shows how black text looks on a background with the Yxy color 31.3596, 0.3038, 0.2593.



This preview shows how white text looks on a background with the Yxy color 31.3596, 0.3038, 0.2593.

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

31.3596, 0.3038, 0.2593

Protanopia

31.4252, 0.2618, 0.2582

Deuteranopia

31.5153, 0.2785, 0.2724



Tritanopia

31.2311, 0.3315, 0.3118

Trichromacy



Original Color

31.3596, 0.3038, 0.2593

Protanomaly

31.3156, 0.2754, 0.2584

Deuteranomaly

31.3985, 0.2874, 0.2669

Tritanomaly

31.2871, 0.3217, 0.2925

Monochromacy



Original Color

31.3596, 0.3038, 0.2593

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.2146, 0.3100, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3596, 0.3038, 0.2593 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, 138, 190)` looks like.

```
.text, #text, p{  
    color:rgb(178, 138, 190)  
}
```

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, 138, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 138, 190) }
```

Border

The CSS property to change the border of an element to Yxy 31.3596, 0.3038, 0.2593 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, 138, 190) }
```

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

```
.border{ border-color:rgb(178, 138, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 138, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 138, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 138, 190);  
box-shadow:4px 4px 4px 4px rgb(178, 138,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3596, 0.3038, 0.2593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 138, 190) }
```

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

```
.background{ background-color: rgb(178,  
138, 190) }
```

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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