

Converting Colors

$Y_{xy}(40.8254, 0.3012, 0.2958)$

Have a look what the booklet for
Yxy(40.8254, 0.3012, 0.2958)
contains.

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Color

Yxy(40.7903, 0.3009, 0.2960)

Conversions

Conversions Part 1

Format	Color
Hex	B1A7C0
RGB	177, 167, 192
RGB Percent	69%, 65%, 75%
CMY	0.3058, 0.3451, 0.2471
CMYK	0.08, 0.13, 0.00, 0.25
HSL	264°, 17%, 70%
HSV	264°, 13%, 75%
XYZ	41.4655, 40.7903, 55.5492
YIQ	172.8400, -2.0650, 9.8950

Conversions

Conversions Part 2

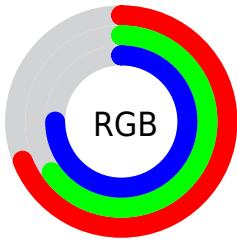
Format	Color
RYB	177, 167, 192
Decimal	11642816
CIELab	70.03, 8.40, -11.48
CIELCh	70, 14.230, 306.190
Yxy	40.7903, 0.3009, 0.2960
Android (android.graphics.Color)	4289832896 (0xFFB1A7C0)
YUV	172.8400, 9.4459, 3.6483
Hunter-Lab	63.8673, 4.1226, -6.8610

Details

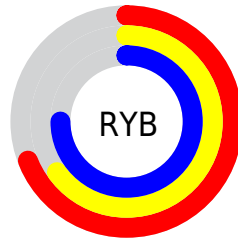
The Yxy color $40.7903, 0.3009, 0.2960$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $50.4260, 0.3235, 0.3616$, and the grayscale version is $41.6566, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.3435, 0.3036, 0.3023$, and $18.4106, 0.2962, 0.2855$ is the 20% darker color. If you saturate the color by 10%, you get $32.9772, 0.2902, 0.2681$, and if you desaturate by 10%, it is $49.7650, 0.3102, 0.3217$.

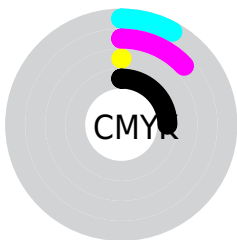
Distribution



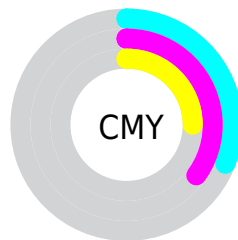
- Red (69%)
- Green (65%)
- Blue (75%)



- Red (69%)
- Yellow (65%)
- Blue (75%)



- Cyan (8%)
- Magenta (13%)
- Yellow (0%)
- Black (25%)




- Cyan (31%)
- Magenta (35%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7903, 0.3009, 0.2960 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 40.7903, 0.3009, 0.2960 by changing the saturation by 10% instead.

 40.7903, 0.3009,
0.2960

 40.7903, 0.3009,
0.2960


349.4434, 0.3070,
0.3125

 28.1553, 0.2993,
0.2919


 76.3655, 0.3032,
0.3020

 18.4427, 0.2972,
0.2865


 100.0744, 0.3040,
0.3043

 11.2683, 0.2943,
0.2795

128.2434, 0.3047,
0.3062

 6.2476, 0.2902,
0.2696

161.2569, 0.3053,
0.3078

 2.9962, 0.2837,
0.2548

199.4992, 0.3058,
0.3092

 1.1298, 0.2722,
0.2306

243.3548, 0.3063,

 0.0032, 0.2045,

0.3105

0.0031

293.2081, 0.3067,
0.3116

0.0000, 0.0000,
0.0000

40.7903, 0.3009,
0.2960

40.7903, 0.3009,
0.2960

32.9772, 0.2902,
0.2681

49.7650, 0.3102,
0.3217

26.2720, 0.2780,
0.2383

59.9419, 0.3181,
0.3450

20.6241, 0.2644,
0.2076

71.3658, 0.3248,
0.3660

15.9772, 0.2497,
0.1770

84.0779, 0.3305,
0.3846

12.2692, 0.2345,
0.1480

92.9093, 0.3365,
0.3938

■ 9.4312, 0.2193,
0.1223

■ 94.9264, 0.3442,
0.3922

■ 7.3842, 0.2049,
0.1014

■ 96.5852, 0.3502,
0.3910

■ 6.0337, 0.1922,
0.0865

■ 5.3803, 0.1843,
0.0789

Harmonies

Analogous

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



40.7903, 0.2836, 0.2947



40.7903, 0.3009, 0.2960



40.7903, 0.3219, 0.3054

Triad

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



40.7903, 0.3009, 0.2960



40.7903, 0.3527, 0.3544



40.7903, 0.2849, 0.3368

Complementary

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



40.7903, 0.3009, 0.2960



50.4260, 0.3235, 0.3616

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.



40.7903, 0.3027, 0.3545



40.7903, 0.3009, 0.2960



40.7903, 0.3420, 0.3643

Square

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



40.7903, 0.3009, 0.2960



40.7903, 0.3524, 0.3383



40.7903, 0.3236, 0.3647



40.7903, 0.2746, 0.3175

Rectangle

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



40.7903, 0.3009, 0.2960



40.7903, 0.3352, 0.3151



40.7903, 0.3236, 0.3647



40.7903, 0.2902, 0.3432

Sweetspot

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



40.7920, 0.3009, 0.2960



88.3765, 0.3093, 0.3191



45.4740, 0.2928, 0.3156



18.6822, 0.3086, 0.3172



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.



40.7920, 0.3009, 0.2960



69.1064, 0.2976, 0.2872



42.3247, 0.3120, 0.2971



9.9405, 0.3044, 0.3056



3.6635, 0.1856, 0.0796



0.1984, 0.2118, 0.0940

Inverse Universe

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



42.2193, 0.3228, 0.3098



72.2907, 0.3257, 0.3048



48.9744, 0.3132, 0.3626



10.1770, 0.3197, 0.3153



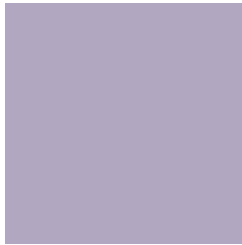
8.3903, 0.4526, 0.2267



0.3758, 0.4157, 0.2064

Previews

White Background



This preview shows how the Yxy color 40.7903, 0.3009, 0.2960 looks on a white background.

Color Contrast Check

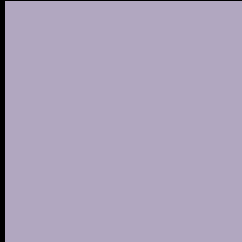
Large Text (above 18pt) WCAG AA × Fail

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 40.7903, 0.3009, 0.2960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

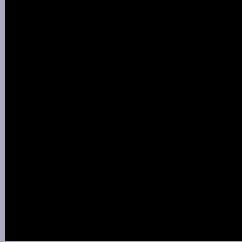
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7903, 0.3009, 0.2960

Background



This preview shows how black text looks on a background with the Yxy color 40.7903, 0.3009, 0.2960.



This preview shows how white text looks on a background with the Yxy color 40.7903, 0.3009, 0.2960.

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

40.7903, 0.3009, 0.2960

Protanopia

40.8600, 0.2908, 0.2967

Deuteranopia

40.9082, 0.3018, 0.2961



Tritanopia

40.8673, 0.3073, 0.3115

Trichromacy



Original Color

40.7903, 0.3009, 0.2960

Protanomaly

40.8841, 0.2949, 0.2969

Deuteranomaly

40.9082, 0.3018, 0.2961

Tritanomaly

40.7805, 0.3049, 0.3050

Monochromacy



Original Color

40.7903, 0.3009, 0.2960

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.4198, 0.3079, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7903, 0.3009, 0.2960 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(177, 167, 192)` looks like.

```
.text, #text, p{  
    color:rgb(177, 167, 192)  
}
```

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(177, 167, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 167, 192) }
```

Border

The CSS property to change the border of an element to Yxy 40.7903, 0.3009, 0.2960 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(177, 167, 192) }
```

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

```
.border{ border-color:rgb(177, 167, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 167, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 167, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 167, 192);  
box-shadow:4px 4px 4px 4px rgb(177, 167,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7903, 0.3009, 0.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 167, 192) }
```

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

```
.background{ background-color: rgb(177,  
167, 192) }
```

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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