

Converting Colors

$Y_{xy}(36.8783, 0.3011, 0.2822)$

Have a look what the booklet for
Yxy(36.8783, 0.3011, 0.2822)
contains.

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Color

Yxy(36.7686, 0.3009, 0.2822)

Conversions

Conversions Part 1

Format	Color
Hex	B09CBF
RGB	176, 156, 191
RGB Percent	69%, 61%, 75%
CMY	0.3096, 0.3883, 0.2510
CMYK	0.08, 0.18, 0.00, 0.25
HSL	274°, 21%, 68%
HSV	274°, 18%, 75%
XYZ	39.2051, 36.7686, 54.3190
YIQ	165.9700, 0.6850, 15.1250

Conversions

Conversions Part 2

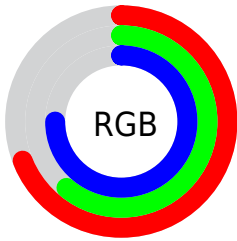
Format	Color
R_{YB}	176, 156, 191
Decimal	11574463
CIE _{Lab}	67.10, 13.99, -15.34
CIE _{LCh}	67, 20.763, 312.371
Yxy	36.7686, 0.3009, 0.2822
Android (android.graphics.Color)	4289764543 (0xFFB09CBF)
YUV	165.9700, 12.3398, 8.7963
Hunter-Lab	60.6371, 9.2946, -10.6663

Details

The Yxy color $36.7686, 0.3009, 0.2822$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $48.3108, 0.3227, 0.3765$, and the grayscale version is $38.0602, 0.3127, 0.3290$.

A 20% lighter version of the original color is $70.4597, 0.3037, 0.2917$, and $16.1491, 0.2959, 0.2683$ is the 20% darker color. If you saturate the color by 10%, you get $29.9344, 0.2929, 0.2544$, and if you desaturate by 10%, it is $44.6709, 0.3078, 0.3085$.

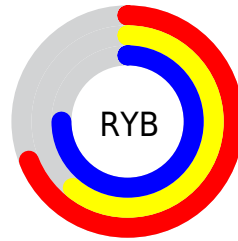
Distribution



Red (69%)

Green (61%)

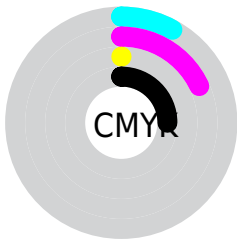
Blue (75%)



Red (69%)

Yellow (61%)

Blue (75%)

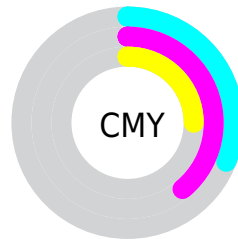


Cyan (8%)

Magenta (18%)

Yellow (0%)

Black (25%)



Cyan (31%)


Magenta (39%)

Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7686, 0.3009, 0.2822 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 36.7686, 0.3009, 0.2822 by changing the saturation by 10% instead.


 36.7686, 0.3009,
0.2822


 36.7686, 0.3009,
0.2822


332.3076, 0.3073,
0.3058

 25.0284, 0.2992,
0.2763


 70.2167, 0.3033,
0.2908

 16.0982, 0.2968,
0.2687


 92.6935, 0.3042,
0.2940

 9.5937, 0.2936,
0.2585


119.5178, 0.3049,
0.2967

 5.1304, 0.2887,
0.2443

151.0742, 0.3056,
0.2991

 2.3240, 0.2808,
0.2231

187.7469, 0.3061,
0.3011

 0.7864, 0.2661,
0.1878

229.9205, 0.3065,

 0.0000, 0.0484,

0.3028

0.0000

277.9792, 0.3069,
0.3044

0.0000, 0.0000,
0.0000

36.7686, 0.3009,
0.2822

36.7686, 0.3009,
0.2822

29.9344, 0.2929,
0.2544

44.6709, 0.3078,
0.3085

24.1156, 0.2838,
0.2259

53.6815, 0.3136,
0.3329

19.2621, 0.2737,
0.1974

63.8441, 0.3185,
0.3553

15.3174, 0.2628,
0.1703

75.1989, 0.3226,
0.3757

12.2191, 0.2515,
0.1457

87.7838, 0.3259,
0.3940

9.8964, 0.2400,
0.1251

91.2847, 0.3308,
0.3962

8.2667, 0.2290,
0.1094

92.6264, 0.3361,
0.3951

7.1988, 0.2188,
0.0986

94.0316, 0.3416,
0.3939

7.0421, 0.2171,
0.0970

95.5010, 0.3470,
0.3927

Harmonies

Analogous

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



36.7686, 0.2735, 0.2773



36.7686, 0.3009, 0.2822



36.7686, 0.3328, 0.2980

Triad

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



36.7686, 0.3009, 0.2822



36.7686, 0.3711, 0.3706



36.7686, 0.2668, 0.3343

Complementary

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



36.7686, 0.3009, 0.2822



48.3108, 0.3227, 0.3765

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.



36.7686, 0.2911, 0.3632



36.7686, 0.3009, 0.2822



36.7686, 0.3515, 0.3840

Square

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



36.7686, 0.3009, 0.2822



36.7686, 0.3745, 0.3475



36.7686, 0.3221, 0.3819



36.7686, 0.2546, 0.3055

Rectangle

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



36.7686, 0.3009, 0.2822



36.7686, 0.3523, 0.3130



36.7686, 0.3221, 0.3819



36.7686, 0.2737, 0.3444

Sweetspot

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



36.7702, 0.3009, 0.2822



85.0334, 0.3098, 0.3167



40.0137, 0.2840, 0.3014



18.4271, 0.3094, 0.3149



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.



36.7702, 0.3009, 0.2822



60.7138, 0.2978, 0.2712



38.5081, 0.3169, 0.2870



9.4879, 0.3071, 0.3059



4.6764, 0.2184, 0.0977



0.2210, 0.2427, 0.1111

Inverse Universe

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



37.7863, 0.3333, 0.3094



62.9145, 0.3389, 0.3048



46.8069, 0.3087, 0.3749



9.6022, 0.3223, 0.3192



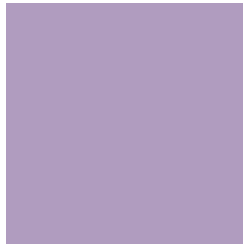
7.6904, 0.5239, 0.2660



0.3144, 0.4634, 0.2327

Previews

White Background



This preview shows how the Yxy color 36.7686, 0.3009, 0.2822 looks on a white background.

Color Contrast Check

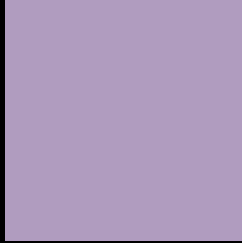
Large Text (above 18pt) WCAG AA × Fail

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 36.7686, 0.3009, 0.2822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

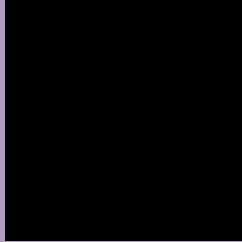
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7686, 0.3009, 0.2822

Background



This preview shows how black text looks on a background with the Yxy color 36.7686, 0.3009, 0.2822.



This preview shows how white text looks on a background with the Yxy color 36.7686, 0.3009, 0.2822.

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

36.7686, 0.3009, 0.2822

Protanopia

36.9489, 0.2811, 0.2832

Deuteranopia

36.6210, 0.2927, 0.2864



Tritanopia

36.6591, 0.3145, 0.3110

Trichromacy



Original Color

36.7686, 0.3009, 0.2822

Protanomaly

36.9292, 0.2878, 0.2825

Deuteranomaly

36.7175, 0.2962, 0.2855

Tritanomaly

36.7071, 0.3093, 0.3002

Monochromacy



Original Color

36.7686, 0.3009, 0.2822

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.4819, 0.3089, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7686, 0.3009, 0.2822 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(176, 156, 191)` looks like.

```
.text, #text, p{  
    color:rgb(176, 156, 191)  
}
```

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(176, 156, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 156, 191) }
```

Border

The CSS property to change the border of an element to Yxy 36.7686, 0.3009, 0.2822 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(176, 156, 191) }
```

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

```
.border{ border-color:rgb(176, 156, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 156, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 156, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 156, 191);  
box-shadow:4px 4px 4px 4px rgb(176, 156,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7686, 0.3009, 0.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 156, 191) }
```

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

```
.background{ background-color: rgb(176,  
156, 191) }
```

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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