

Converting Colors

$Yxy(34.8608, 0.3274, 0.2918)$

Have a look what the booklet for
Yxy(34.8608, 0.3274, 0.2918)
contains.

Yxy(34.6934, 0.3267, 0.2905)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.6934, 0.3267, 0.2905)

Conversions

Conversions Part 1

Format	Color
Hex	BC93B0
RGB	188, 147, 176
RGB Percent	74%, 58%, 69%
CMY	0.2626, 0.4236, 0.3098
CMYK	0.00, 0.22, 0.06, 0.26
HSL	318°, 23%, 66%
HSV	318°, 22%, 74%
XYZ	39.0166, 34.6934, 45.7165
YIQ	162.5650, 15.1270, 17.7110

Conversions

Conversions Part 2

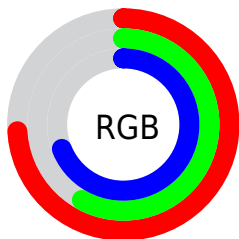
Format	Color
R _Y B	188, 147, 176
Decimal	12358576
CIE Lab	65.51, 20.27, -9.23
CIE LCh	66, 22.268, 335.516
Yxy	34.6934, 0.3267, 0.2905
Android (android.graphics.Color)	4290548656 (0xFFBC93B0)
YUV	162.5650, 6.6235, 22.3065
Hunter-Lab	58.9011, 15.1631, -4.7875

Details

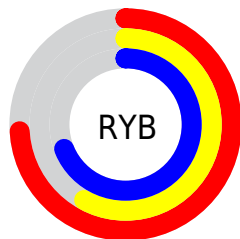
The Yxy color **34.6934, 0.3267, 0.2905** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.6894, 0.3011, 0.3709**, and the grayscale version is **36.3752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0120, 0.3241, 0.2971**, and **14.8893, 0.3296, 0.2780** is the 20% darker color. If you saturate the color by 10%, you get **29.1038, 0.3348, 0.2722**, and if you desaturate by 10%, it is **41.2508, 0.3197, 0.3085**.

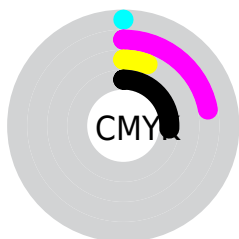
Distribution



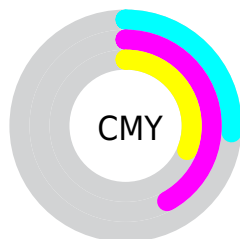
- Red (74%)
- Green (58%)
- Blue (69%)



- Red (74%)
- Yellow (58%)
- Blue (69%)



- Cyan (0%)
- Magenta (22%)
- Yellow (6%)
- Black (26%)





- Cyan (26%)
- Magenta (42%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6934, 0.3267, 0.2905 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 34.6934, 0.3267, 0.2905 by changing the saturation by 10% instead.


 34.6934, 0.3267,
0.2905


 34.6934, 0.3267,
0.2905

323.2129, 0.3196,
0.3101

 23.4268, 0.3285,
0.2855


 67.0105, 0.3241,
0.2977

 14.9090, 0.3308,
0.2790


 88.8298, 0.3232,
0.3004

 8.7555, 0.3338,
0.2703


114.9355, 0.3223,
0.3026

 4.5821, 0.3382,
0.2579

145.7119, 0.3217,
0.3046

 2.0042, 0.3446,
0.2389

181.5435, 0.3210,
0.3062

 0.6099, 0.3585,
0.1994

222.8146, 0.3205,

 0.0000, 0.1760,

0.3077

0.0000

269.9096, 0.3201,
0.3090

0.0000, 0.0000,
0.0000

34.6934, 0.3267,
0.2905

34.6934, 0.3267,
0.2905

29.1038, 0.3348,
0.2722

41.2508, 0.3197,
0.3085

24.4309, 0.3441,
0.2544

48.8147, 0.3137,
0.3259

20.6258, 0.3545,
0.2378

57.4274, 0.3087,
0.3424

17.6333, 0.3658,
0.2234

67.1272, 0.3044,
0.3577

15.3919, 0.3778,
0.2122

77.9507, 0.3009,
0.3719

■ 13.8309, 0.3902,
0.2054

■ 86.8239, 0.2978,
0.3801

■ 12.8665, 0.4024,
0.2033

■ 87.1018, 0.2949,
0.3738

■ 12.3875, 0.4122,
0.2044

■ 87.3893, 0.2920,
0.3675

■ 87.6865, 0.2891,
0.3612

Harmonies

Analogous

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



34.6934, 0.2921, 0.2758



34.6934, 0.3267, 0.2905



34.6934, 0.3589, 0.3143

Triad

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



34.6934, 0.3267, 0.2905



34.6934, 0.3612, 0.3870



34.6934, 0.2511, 0.3097

Complementary

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



34.6934, 0.3267, 0.2905



44.6894, 0.3011, 0.3709

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.



34.6934, 0.2676, 0.3423



34.6934, 0.3267, 0.2905



34.6934, 0.3306, 0.3893

Square

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



34.6934, 0.3267, 0.2905



34.6934, 0.3791, 0.3690



34.6934, 0.2964, 0.3727



34.6934, 0.2501, 0.2850

Rectangle

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



34.6934, 0.3267, 0.2905



34.6934, 0.3739, 0.3329



34.6934, 0.2964, 0.3727



34.6934, 0.2550, 0.3201

Sweetspot

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



34.6949, 0.3267, 0.2905



80.9566, 0.3167, 0.3168



31.8284, 0.2870, 0.2708



17.2345, 0.3171, 0.3158



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.



34.6949, 0.3267, 0.2905



57.9848, 0.3303, 0.2821



33.9565, 0.3470, 0.3170



9.6473, 0.3181, 0.3129



8.4436, 0.4107, 0.2036



0.3416, 0.3845, 0.1892

Inverse Universe

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



34.6949, 0.3267, 0.2905



57.9848, 0.3303, 0.2821



45.4459, 0.2868, 0.3414



9.6473, 0.3181, 0.3129



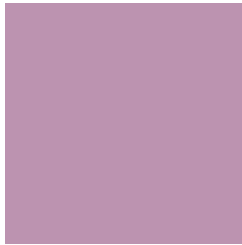
8.4436, 0.4107, 0.2036



0.3416, 0.3845, 0.1892

Previews

White Background



This preview shows how the Yxy color 34.6934, 0.3267, 0.2905 looks on a white background.

Color Contrast Check

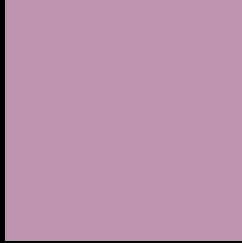
Large Text (above 18pt) WCAG AA × Fail

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 34.6934, 0.3267, 0.2905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

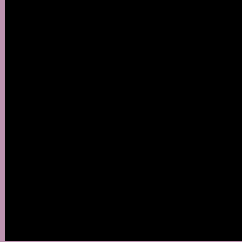
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6934, 0.3267, 0.2905

Background



This preview shows how black text looks on a background with the Yxy color 34.6934, 0.3267, 0.2905.



This preview shows how white text looks on a background with the Yxy color 34.6934, 0.3267, 0.2905.

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

34.6934, 0.3267, 0.2905

Protanopia

34.8412, 0.2885, 0.2932

Deuteranopia

34.8627, 0.3073, 0.3009



Tritanopia

34.8250, 0.3390, 0.3141

Trichromacy



Original Color

34.6934, 0.3267, 0.2905

Protanomaly

34.6220, 0.3019, 0.2926

Deuteranomaly

34.6656, 0.3142, 0.2972

Tritanomaly

34.8129, 0.3352, 0.3061

Monochromacy



Original Color

34.6934, 0.3267, 0.2905

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.7118, 0.3173, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6934, 0.3267, 0.2905 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(188, 147, 176)` looks like.

```
.text, #text, p{  
    color:rgb(188, 147, 176)  
}
```

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(188, 147, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 147, 176) }
```

Border

The CSS property to change the border of an element to Yxy 34.6934, 0.3267, 0.2905 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(188, 147, 176) }
```

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

```
.border{ border-color:rgb(188, 147, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 147, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 147, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 147, 176);  
box-shadow:4px 4px 4px 4px rgb(188, 147,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6934, 0.3267, 0.2905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 147, 176) }
```

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

```
.background{ background-color: rgb(188,  
147, 176) }
```

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