

Converting Colors

$Y_{xy}(36.7622, 0.3146, 0.2893)$

Have a look what the booklet for
Yxy(36.7622, 0.3146, 0.2893)
contains.

Yxy(36.7622, 0.3146, 0.2893)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.7622, 0.3146, 0.2893)

Conversions

Conversions Part 1

Format	Color
Hex	B89AB8
RGB	184, 154, 184
RGB Percent	72%, 60%, 72%
CMY	0.2784, 0.3961, 0.2784
CMYK	0.00, 0.16, 0.00, 0.28
HSL	300°, 17%, 66%
HSV	300°, 16%, 72%
XYZ	39.9771, 36.7622, 50.3336
YIQ	166.3900, 8.2500, 15.6900

Conversions

Conversions Part 2

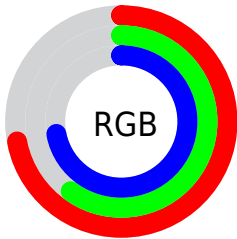
Format	Color
R_{YB}	184, 154, 184
Decimal	12098232
CIE _{Lab}	67.10, 16.44, -11.37
CIE _{LCh}	67, 19.989, 325.334
Yxy	36.7622, 0.3146, 0.2893
Android (android.graphics.Color)	4290288312 (0xFFB89AB8)
YUV	166.3900, 8.6817, 15.4440
Hunter-Lab	60.6318, 11.5869, -6.7774

Details

The Yxy color **36.7622, 0.3146, 0.2893** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.4923, 0.3107, 0.3722**, and the grayscale version is **38.2874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4175, 0.3142, 0.2971**, and **16.1645, 0.3151, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **31.1474, 0.3158, 0.2646**, and if you desaturate by 10%, it is **43.3113, 0.3134, 0.3139**.

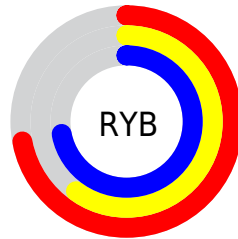
Distribution



Red (72%)

Green (60%)

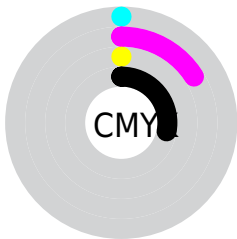
Blue (72%)



Red (72%)

Yellow (60%)

Blue (72%)

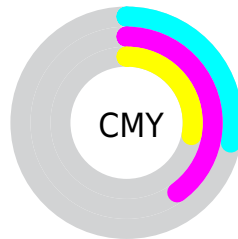


Cyan (0%)

Magenta (16%)

Yellow (0%)

Black (28%)



Cyan (28%)


Magenta (40%)

Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7622, 0.3146, 0.2893 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 36.7622, 0.3146, 0.2893 by changing the saturation by 10% instead.

 36.7622, 0.3146,
0.2893


 36.7622, 0.3146,
0.2893


332.2798, 0.3139,
0.3093

 25.0234, 0.3147,
0.2842

 70.2069, 0.3144,
0.2966

 16.0945, 0.3148,
0.2777


 92.6816, 0.3143,
0.2994

 9.5911, 0.3148,
0.2690


119.5038, 0.3142,
0.3017

 5.1287, 0.3147,
0.2568

151.0577, 0.3141,
0.3036

 2.3230, 0.3142,
0.2383

187.7279, 0.3141,
0.3054

 0.7858, 0.3124,
0.2069

229.8988, 0.3140,

 0.0000, 0.1774,

0.3068

0.0000


277.9546, 0.3139,
0.3082

 0.0000, 0.0000,
0.0000


 36.7622, 0.3146,
0.2893


 36.7622, 0.3146,
0.2893


 31.1474, 0.3158,
0.2646


 43.3113, 0.3134,
0.3139


 26.4200, 0.3169,
0.2406


 50.8296, 0.3123,
0.3377


 22.5359, 0.3180,
0.2181

 59.3559, 0.3112,
0.3603

 19.4456, 0.3190,
0.1981

 68.9255, 0.3102,
0.3814

 17.0944, 0.3198,
0.1814

 79.5721, 0.3093,
0.4009

■ 15.4205, 0.3204,
0.1686

■ 85.1766, 0.3089,
0.4099

■ 14.3524, 0.3208,
0.1601

■ 85.1772, 0.3089,
0.4098

■ 13.7959, 0.3210,
0.1555

■ 85.1777, 0.3089,
0.4098

■ 13.6484, 0.3211,
0.1543

■ 85.1783, 0.3089,
0.4098

Harmonies

Analogous

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



36.7622, 0.2854, 0.2797



36.7622, 0.3146, 0.2893



36.7622, 0.3446, 0.3082

Triad

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



36.7622, 0.3146, 0.2893



36.7622, 0.3624, 0.3762



36.7622, 0.2617, 0.3216

Complementary

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



36.7622, 0.3146, 0.2893



43.4923, 0.3107, 0.3722

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.



36.7622, 0.2806, 0.3505



36.7622, 0.3146, 0.2893



36.7622, 0.3386, 0.3830

Square

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



36.7622, 0.3146, 0.2893



36.7622, 0.3729, 0.3572



36.7622, 0.3086, 0.3738



36.7622, 0.2559, 0.2966

Rectangle

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



36.7622, 0.3146, 0.2893



36.7622, 0.3606, 0.3241



36.7622, 0.3086, 0.3738



36.7622, 0.2667, 0.3312

Sweetspot

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



36.7638, 0.3146, 0.2893



80.0758, 0.3133, 0.3168



33.4420, 0.2866, 0.2858



17.0690, 0.3134, 0.3151



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.7638, 0.3146, 0.2893



62.3381, 0.3151, 0.2794



36.1681, 0.3285, 0.3087



9.1626, 0.3138, 0.3065



9.4043, 0.3211, 0.1543



0.3316, 0.3211, 0.1542

Inverse Universe

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



36.7638, 0.3146, 0.2893



62.3381, 0.3151, 0.2794



44.0234, 0.2994, 0.3502



9.1626, 0.3138, 0.3065



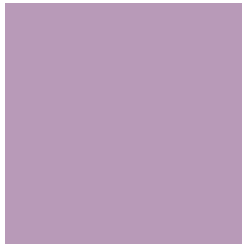
9.4043, 0.3211, 0.1543



0.3316, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 36.7622, 0.3146, 0.2893 looks on a white background.

Color Contrast Check

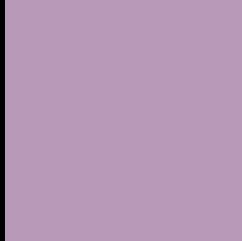
Large Text (above 18pt) WCAG AA × Fail

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 36.7622, 0.3146, 0.2893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

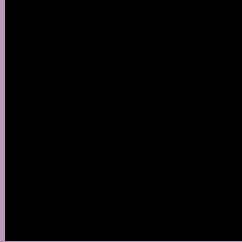
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7622, 0.3146, 0.2893

Background



This preview shows how black text looks on a background with the Yxy color 36.7622, 0.3146, 0.2893.



This preview shows how white text looks on a background with the Yxy color 36.7622, 0.3146, 0.2893.

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

36.7622, 0.3146, 0.2893

Protanopia

36.8857, 0.2875, 0.2913

Deuteranopia

36.7612, 0.3021, 0.2960



Tritanopia

36.9236, 0.3262, 0.3127

Trichromacy



Original Color

36.7622, 0.3146, 0.2893

Protanomaly

36.7090, 0.2969, 0.2905

Deuteranomaly

36.6468, 0.3068, 0.2937

Tritanomaly

36.9002, 0.3226, 0.3048

Monochromacy



Original Color

36.7622, 0.3146, 0.2893

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.7420, 0.3134, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7622, 0.3146, 0.2893 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(184, 154, 184)` looks like.

```
.text, #text, p{  
    color:rgb(184, 154, 184)  
}
```

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(184, 154, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 154, 184) }
```

Border

The CSS property to change the border of an element to Yxy 36.7622, 0.3146, 0.2893 is called "border". The border property can be set on classes, ids or directly on the HTML element.

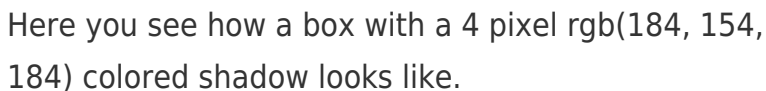
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(184, 154, 184) }
```

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

```
.border{ border-color:rgb(184, 154, 184) }
```

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



Here you see how a box with a 4 pixel `rgb(184, 154, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 154, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 154, 184); box-shadow:4px 4px 4px 4px rgb(184, 154, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7622, 0.3146, 0.2893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 154, 184) }
```

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

```
.background{ background-color: rgb(184,  
154, 184) }
```

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