

Converting Colors

$Y_{xy}(38.8552, 0.3393, 0.2971)$

Have a look what the booklet for
Yxy(38.8552, 0.3393, 0.2971)
contains.

Yxy(38.8745, 0.3389, 0.2965)	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(38.8745, 0.3389, 0.2965)

Conversions

Conversions Part 1

Format	Color
Hex	CC99B3
RGB	204, 153, 179
RGB Percent	80%, 60%, 70%
CMY	0.1999, 0.4000, 0.2981
CMYK	0.00, 0.25, 0.12, 0.20
HSL	329°, 33%, 70%
HSV	329°, 25%, 80%
XYZ	44.4336, 38.8745, 47.8032
YIQ	171.2130, 22.0500, 18.8980

Conversions

Conversions Part 2

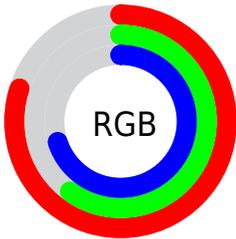
Format	Color
R_YB	204, 153, 179
Decimal	13408691
CIE _{Lab}	68.66, 23.14, -6.04
CIE _{LCh}	69, 23.917, 345.370
Yxy	38.8745, 0.3389, 0.2965
Android (android.graphics.Color)	4291598771 (0xFFCC99B3)
YUV	171.2130, 3.8390, 28.7542
Hunter-Lab	62.3494, 18.0974, -1.8129

Details

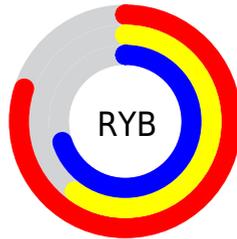
The Yxy color **38.8745, 0.3389, 0.2965** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.1849, 0.2928, 0.3640**, and the grayscale version is **40.8106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3699, 0.3289, 0.3021**, and **17.2033, 0.3470, 0.2868** is the 20% darker color. If you saturate the color by 10%, you get **32.3686, 0.3531, 0.2829**, and if you desaturate by 10%, it is **46.5551, 0.3270, 0.3099**.

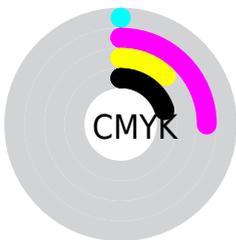
Distribution



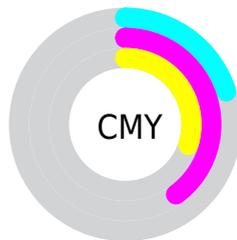
- Red (80%)
- Green (60%)
- Blue (70%)



- Red (80%)
- Yellow (60%)
- Blue (70%)



- Cyan (0%)
- Magenta (25%)
- Yellow (12%)
- Black (20%)



- Cyan (20%)
- Magenta (40%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8745, 0.3389, 0.2965 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 38.8745, 0.3389, 0.2965 by changing the saturation by 10% instead.

 38.8745, 0.3389,
0.2965

 38.8745, 0.3389,
0.2965

341.3566, 0.3256,
0.3128

 26.6621, 0.3423,
0.2924

 73.4466, 0.3340,
0.3025

 17.3196, 0.3467,
0.2871

 96.5750, 0.3322,
0.3047

 10.4626, 0.3526,
0.2800

124.1110, 0.3307,
0.3066

 5.7068, 0.3609,
0.2701

156.4388, 0.3294,
0.3082

 2.6676, 0.3737,
0.2553

193.9428, 0.3282,
0.3096

 0.9608, 0.3956,
0.2305

237.0076, 0.3273,

 0.0000, 0.6191,

0.3108

0.0000

286.0174, 0.3264,
0.3119

0.0000, 0.0000,
0.0000

38.8745, 0.3389,
0.2965

38.8745, 0.3389,
0.2965

32.3686, 0.3531,
0.2829

46.5551, 0.3270,
0.3099

26.9736, 0.3698,
0.2697

55.4598, 0.3170,
0.3228

22.6272, 0.3890,
0.2579

65.6414, 0.3088,
0.3350

19.2592, 0.4106,
0.2484

77.1480, 0.3020,
0.3462

16.7905, 0.4340,
0.2425

90.0201, 0.2964,
0.3566

■ 15.1293, 0.4581,
0.2414

■ 90.5957, 0.2910,
0.3458

■ 14.1642, 0.4817,
0.2457

■ 91.2040, 0.2858,
0.3351

■ 13.8388, 0.4933,
0.2491

■ 91.5808, 0.2827,
0.3289

Harmonies

Analogous

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



38.8745, 0.3028, 0.2778



38.8745, 0.3389, 0.2965



38.8745, 0.3690, 0.3231

Triad

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



38.8745, 0.3389, 0.2965



38.8745, 0.3534, 0.3919



38.8745, 0.2470, 0.2993

Complementary

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



38.8745, 0.3389, 0.2965



53.1849, 0.2928, 0.3640

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.



38.8745, 0.2589, 0.3313



38.8745, 0.3389, 0.2965



38.8745, 0.3195, 0.3879

Square

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



38.8745, 0.3389, 0.2965



38.8745, 0.3772, 0.3778



38.8745, 0.2850, 0.3650



38.8745, 0.2513, 0.2780

Rectangle

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



38.8745, 0.3389, 0.2965



38.8745, 0.3807, 0.3426



38.8745, 0.2850, 0.3650



38.8745, 0.2492, 0.3091

Sweetspot

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



38.8763, 0.3389, 0.2965



87.0399, 0.3199, 0.3189



36.5668, 0.2915, 0.2627



18.1415, 0.3214, 0.3170



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



38.8763, 0.3389, 0.2965



58.3343, 0.3462, 0.2892



37.9500, 0.3641, 0.3281



11.3075, 0.3212, 0.3173



8.7269, 0.4903, 0.2475



0.4655, 0.4484, 0.2244

Inverse Universe

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



38.8763, 0.3389, 0.2965



58.3343, 0.3462, 0.2892



54.2894, 0.2768, 0.3300



11.3075, 0.3212, 0.3173



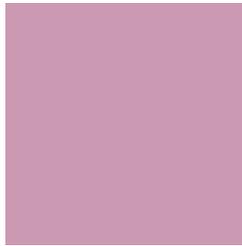
8.7269, 0.4903, 0.2475



0.4655, 0.4484, 0.2244

Previews

White Background



This preview shows how the Yxy color 38.8745, 0.3389, 0.2965 looks on a white background.

Color Contrast Check

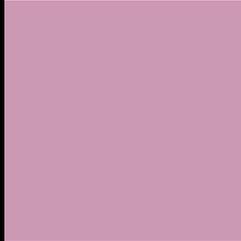
Large Text (above 18pt) WCAG AA × Fail

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 38.8745, 0.3389, 0.2965 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

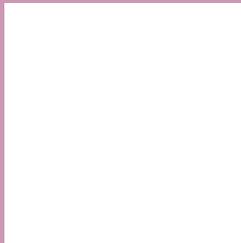
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.8745, 0.3389, 0.2965

Background



This preview shows how black text looks on a background with the Yxy color 38.8745, 0.3389, 0.2965.



This preview shows how white text looks on a background with the Yxy color 38.8745, 0.3389, 0.2965.

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

38.8745, 0.3389, 0.2965

Protanopia

39.2246, 0.2944, 0.3015

Deuteranopia

39.0720, 0.3164, 0.3102



Tritanopia

38.9292, 0.3493, 0.3138

Trichromacy



Original Color

38.8745, 0.3389, 0.2965

Protanomaly

38.8851, 0.3095, 0.2996

Deuteranomaly

38.8294, 0.3244, 0.3041

Tritanomaly

38.7480, 0.3455, 0.3075

Monochromacy



Original Color

38.8745, 0.3389, 0.2965

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.6742, 0.3218, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8745, 0.3389, 0.2965 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(204, 153, 179)` looks like.

```
.text, #text, p{  
    color:rgb(204, 153, 179)  
}
```

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(204, 153, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 153, 179) }
```

Border

The CSS property to change the border of an element to Yxy 38.8745, 0.3389, 0.2965 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(204, 153, 179) }
```

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

```
.border{ border-color:rgb(204, 153, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 153, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 153, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 153, 179);  
box-shadow:4px 4px 4px 4px rgb(204, 153,  
179) }
```

Background

The CSS property to change the background color of an element to Yxy 38.8745, 0.3389, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 153, 179) }
```

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

```
.background{ background-color: rgb(204,  
153, 179) }
```

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