

Converting Colors

$Yxy(37.7762, 0.3004, 0.2644)$

Have a look what the booklet for
Yxy(37.7762, 0.3004, 0.2644)
contains.

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Color

Yxy(37.8335, 0.3009, 0.2645)

Conversions

Conversions Part 1

Format	Color
Hex	BC99CC
RGB	188, 153, 204
RGB Percent	74%, 60%, 80%
CMY	0.2625, 0.4001, 0.2000
CMYK	0.08, 0.25, 0.00, 0.20
HSL	281°, 33%, 70%
HSV	281°, 25%, 80%
XYZ	43.0401, 37.8335, 62.1642
YIQ	169.2790, 4.4890, 23.2810

Conversions

Conversions Part 2

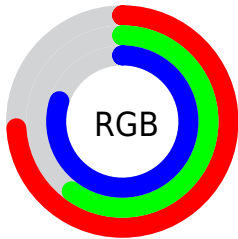
Format	Color
R_{YB}	188, 153, 204
Decimal	12360140
CIE _{Lab}	67.90, 22.33, -21.27
CIE _{LCh}	68, 30.834, 316.396
Yxy	37.8335, 0.3009, 0.2645
Android (android.graphics.Color)	4290550220 (0xFFBC99CC)
YUV	169.2790, 17.1175, 16.4183
Hunter-Lab	61.5089, 17.2624, -16.8654

Details

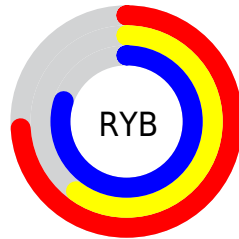
The Yxy color **37.8335, 0.3009, 0.2645** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.9154, 0.3216, 0.3969**, and the grayscale version is **39.7365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7442, 0.3077, 0.2821**, and **16.7731, 0.2959, 0.2470** is the 20% darker color. If you saturate the color by 10%, you get **30.9268, 0.2947, 0.2371**, and if you desaturate by 10%, it is **45.9208, 0.3062, 0.2913**.

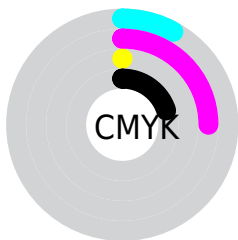
Distribution



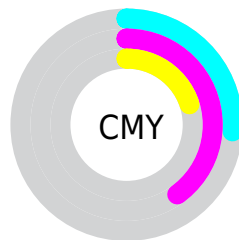
- Red (74%)
- Green (60%)
- Blue (80%)



- Red (74%)
- Yellow (60%)
- Blue (80%)



- Cyan (8%)
- Magenta (25%)
- Yellow (0%)
- Black (20%)





- Cyan (26%)
- Magenta (40%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8335, 0.3009, 0.2645 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 37.8335, 0.3009, 0.2645 by changing the saturation by 10% instead.


 37.8335, 0.3009,
0.2645


 37.8335, 0.3009,
0.2645


336.9052, 0.3075,
0.2963

 25.8535, 0.2990,
0.2568

 71.8529, 0.3035,
0.2759

 16.7141, 0.2965,
0.2469


 94.6610, 0.3044,
0.2802

 10.0308, 0.2930,
0.2341


121.8473, 0.3051,
0.2839

 5.4194, 0.2877,
0.2166

153.7962, 0.3058,
0.2871

 2.4954, 0.2790,
0.1916

190.8920, 0.3063,
0.2898

 0.8743, 0.2631,
0.1537

233.5192, 0.3068,

 0.0000, 0.2046,

0.2922

0.0000

282.0621, 0.3072,
0.2944

0.0000, 0.0000,
0.0000

37.8335, 0.3009,
0.2645

37.8335, 0.3009,
0.2645

30.9268, 0.2947,
0.2371

45.9208, 0.3062,
0.2913

25.1373, 0.2877,
0.2099

55.2383, 0.3107,
0.3168

20.4031, 0.2800,
0.1840

65.8385, 0.3145,
0.3407

16.6540, 0.2718,
0.1606

77.7695, 0.3176,
0.3627

13.8110, 0.2633,
0.1408

91.0768, 0.3201,
0.3828

■ 11.7828, 0.2549,
0.1256

■ 92.1001, 0.3241,
0.3821

■ 10.4581, 0.2467,
0.1151

■ 93.1522, 0.3283,
0.3815

■ 9.9562, 0.2428,
0.1111

■ 94.2430, 0.3324,
0.3808

■ 95.3730, 0.3366,
0.3801

Harmonies

Analogous

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



37.8335, 0.2602, 0.2549



37.8335, 0.3009, 0.2645



37.8335, 0.3480, 0.2884

Triad

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



37.8335, 0.3009, 0.2645



37.8335, 0.3954, 0.3919



37.8335, 0.2426, 0.3297

Complementary

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



37.8335, 0.3009, 0.2645



53.9154, 0.3216, 0.3969

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.



37.8335, 0.2750, 0.3750



37.8335, 0.3009, 0.2645



37.8335, 0.3633, 0.4112

Square

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



37.8335, 0.3009, 0.2645



37.8335, 0.4049, 0.3589



37.8335, 0.3190, 0.4064



37.8335, 0.2286, 0.2884

Rectangle

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



37.8335, 0.3009, 0.2645



37.8335, 0.3760, 0.3100



37.8335, 0.3190, 0.4064



37.8335, 0.2516, 0.3452

Sweetspot

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



37.8351, 0.3009, 0.2645



86.4785, 0.3094, 0.3091



39.5584, 0.2721, 0.2814



17.9989, 0.3088, 0.3052



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.



37.8351, 0.3009, 0.2645



56.2637, 0.2977, 0.2498



39.5392, 0.3241, 0.2779



11.2211, 0.3089, 0.3058



6.3175, 0.2439, 0.1117



0.3651, 0.2593, 0.1202

Inverse Universe

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



38.4767, 0.3488, 0.3089



57.5839, 0.3592, 0.3043



52.5799, 0.3031, 0.3861



11.2705, 0.3242, 0.3218



8.3262, 0.5697, 0.2912



0.4433, 0.5134, 0.2602

Previews

White Background



This preview shows how the Yxy color 37.8335, 0.3009, 0.2645 looks on a white background.

Color Contrast Check

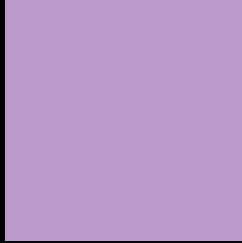
Large Text (above 18pt) WCAG AA × Fail

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 37.8335, 0.3009, 0.2645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

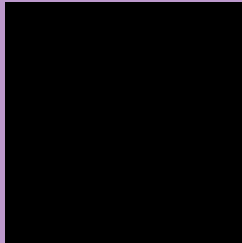
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8335, 0.3009, 0.2645

Background



This preview shows how black text looks on a background with the Yxy color 37.8335, 0.3009, 0.2645.



This preview shows how white text looks on a background with the Yxy color 37.8335, 0.3009, 0.2645.

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

37.8335, 0.3009, 0.2645

Protanopia

38.0767, 0.2660, 0.2644

Deuteranopia

37.8915, 0.2809, 0.2751



Tritanopia

37.8038, 0.3250, 0.3129

Trichromacy



Original Color

37.8335, 0.3009, 0.2645

Protanomaly

37.8521, 0.2780, 0.2644

Deuteranomaly

37.8787, 0.2876, 0.2710

Tritanomaly

37.8471, 0.3162, 0.2947

Monochromacy



Original Color

37.8335, 0.3009, 0.2645

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.8019, 0.3084, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8335, 0.3009, 0.2645 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, 153, 204)` looks like.

```
.text, #text, p{  
    color:rgb(188, 153, 204)  
}
```

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, 153, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 153, 204) }
```

Border

The CSS property to change the border of an element to Yxy 37.8335, 0.3009, 0.2645 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, 153, 204) }
```

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

```
.border{ border-color:rgb(188, 153, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 153, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 153, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 153, 204);  
box-shadow:4px 4px 4px 4px rgb(188, 153,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8335, 0.3009, 0.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 153, 204) }
```

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

```
.background{ background-color: rgb(188,  
153, 204) }
```

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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