

Converting Colors

$Y_{xy}(37.8085, 0.3328, 0.3170)$

Have a look what the booklet for
Yxy(37.8085, 0.3328, 0.3170)
contains.

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Color

Yxy(37.8085, 0.3328, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	BB9EA7
RGB	187, 158, 167
RGB Percent	73%, 62%, 65%
CMY	0.2667, 0.3804, 0.3451
CMYK	0.00, 0.15, 0.11, 0.27
HSL	341°, 18%, 68%
HSV	341°, 15%, 73%
XYZ	39.6930, 37.8085, 41.7683
YIQ	167.6970, 14.3950, 8.9470

Conversions

Conversions Part 2

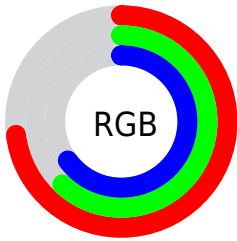
Format	Color
RYB	187, 158, 167
Decimal	12295847
CIELab	67.88, 12.18, -0.70
CIElCh	68, 12.205, 356.709
Yxy	37.8085, 0.3328, 0.3170
Android (android.graphics.Color)	4290485927 (0xFFBB9EA7)
YUV	167.6970, -0.3436, 16.9287
Hunter-Lab	61.4886, 7.6226, 2.7673

Details

The Yxy color **37.8085, 0.3328, 0.3170** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.0180, 0.2960, 0.3413**, and the grayscale version is **38.9984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9171, 0.3287, 0.3197**, and **16.8215, 0.3398, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **31.4553, 0.3495, 0.3087**, and if you desaturate by 10%, it is **45.1831, 0.3191, 0.3249**.

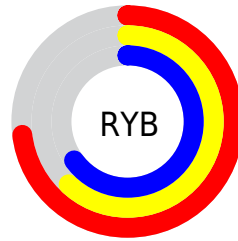
Distribution



Red (73%)

Green (62%)

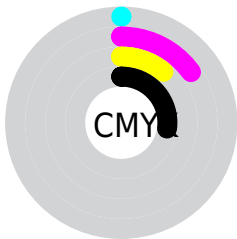
Blue (65%)



Red (73%)

Yellow (62%)

Blue (65%)

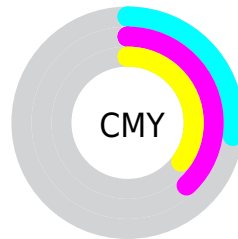


Cyan (0%)

Magenta (15%)

Yellow (11%)

Black (27%)



Cyan (27%)


Magenta (38%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8085, 0.3328, 0.3170 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 37.8085, 0.3328, 0.3170 by changing the saturation by 10% instead.


 37.8085, 0.3328,
0.3170


 37.8085, 0.3328,
0.3170


336.7978, 0.3224,
0.3232

 25.8341, 0.3355,
0.3154


 71.8145, 0.3289,
0.3193

 16.6996, 0.3391,
0.3133


 94.6149, 0.3275,
0.3201

 10.0205, 0.3439,
0.3104


121.7928, 0.3263,
0.3209

 5.4126, 0.3510,
0.3062

153.7325, 0.3253,
0.3215

 2.4913, 0.3622,
0.2996

190.8185, 0.3244,
0.3220

 0.8723, 0.3826,
0.2878

233.4351, 0.3237,

 0.0000, 1.0000,

0.3224

0.0000

281.9667, 0.3230,
0.3228

0.0000, 0.0000,
0.0000

37.8085, 0.3328,
0.3170

37.8085, 0.3328,
0.3170

31.4553, 0.3495,
0.3087

45.1831, 0.3191,
0.3249

26.0734, 0.3698,
0.3004

53.6165, 0.3080,
0.3322

21.6161, 0.3943,
0.2923

63.1500, 0.2989,
0.3390

18.0304, 0.4229,
0.2854

73.8215, 0.2914,
0.3453

15.2585, 0.4556,
0.2805

85.6671, 0.2853,
0.3509

■ 13.2351, 0.4908,
0.2789

■ 88.6362, 0.2789,
0.3404

■ 11.8848, 0.5264,
0.2816

■ 89.3028, 0.2736,
0.3289

■ 11.1144, 0.5591,
0.2890

■ 10.8690, 0.5727,
0.2929

Harmonies

Analogous

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



37.8085, 0.3150, 0.3048



37.8085, 0.3328, 0.3170



37.8085, 0.3454, 0.3324

Triad

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



37.8085, 0.3328, 0.3170



37.8085, 0.3279, 0.3612



37.8085, 0.2778, 0.3092

Complementary

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



37.8085, 0.3328, 0.3170



46.0180, 0.2960, 0.3413

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.



37.8085, 0.2811, 0.3242



37.8085, 0.3328, 0.3170



37.8085, 0.3097, 0.3550

Square

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



37.8085, 0.3328, 0.3170



37.8085, 0.3424, 0.3581



37.8085, 0.2926, 0.3412



37.8085, 0.2835, 0.3000

Rectangle

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



37.8085, 0.3328, 0.3170



37.8085, 0.3488, 0.3427



37.8085, 0.2926, 0.3412



37.8085, 0.2779, 0.3137

Sweetspot

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



37.8102, 0.3328, 0.3170



81.5264, 0.3186, 0.3252



37.4866, 0.3059, 0.2902



17.7334, 0.3195, 0.3247



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.



37.8102, 0.3328, 0.3170



63.1808, 0.3388, 0.3139



39.3406, 0.3403, 0.3362



9.5839, 0.3241, 0.3219



7.5018, 0.5695, 0.2911



0.3060, 0.4997, 0.2526

Inverse Universe

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



37.8102, 0.3328, 0.3170



63.1808, 0.3388, 0.3139



44.1792, 0.2893, 0.3217



9.5839, 0.3241, 0.3219



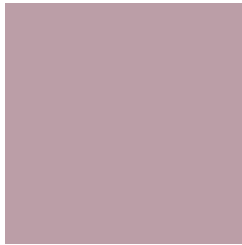
7.5018, 0.5695, 0.2911



0.3060, 0.4997, 0.2526

Previews

White Background



This preview shows how the Yxy color 37.8085, 0.3328, 0.3170 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 37.8085, 0.3328, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

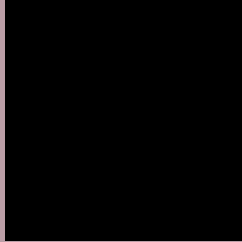
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8085, 0.3328, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 37.8085, 0.3328, 0.3170.



This preview shows how white text looks on a background with the Yxy color 37.8085, 0.3328, 0.3170.

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

37.8085, 0.3328, 0.3170

Protanopia

38.0660, 0.3094, 0.3206

Deuteranopia

37.7554, 0.3267, 0.3195



Tritanopia

37.9208, 0.3300, 0.3130

Trichromacy



Original Color

37.8085, 0.3328, 0.3170

Protanomaly

37.7416, 0.3170, 0.3179

Deuteranomaly

37.6536, 0.3287, 0.3182

Tritanomaly

37.8831, 0.3309, 0.3144

Monochromacy



Original Color

37.8085, 0.3328, 0.3170

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.4920, 0.3196, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8085, 0.3328, 0.3170 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(187, 158, 167)` looks like.

```
.text, #text, p{  
    color:rgb(187, 158, 167)  
}
```

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(187, 158, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 158, 167) }
```

Border

The CSS property to change the border of an element to Yxy 37.8085, 0.3328, 0.3170 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(187, 158, 167) }
```

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

```
.border{ border-color:rgb(187, 158, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 158, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 158, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 158, 167);  
box-shadow:4px 4px 4px 4px rgb(187, 158,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8085, 0.3328, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 158, 167) }
```

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

```
.background{ background-color: rgb(187,  
158, 167) }
```

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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