

Converting Colors

$Y_{xy}(30.2593, 0.3409, 0.2896)$

Have a look what the booklet for
Yxy(30.2593, 0.3409, 0.2896)
contains.

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Color

Yxy(30.2593, 0.3409, 0.2896)

Conversions

Conversions Part 1

Format	Color
Hex	BB86A3
RGB	187, 134, 163
RGB Percent	73%, 53%, 64%
CMY	0.2669, 0.4744, 0.3608
CMYK	0.00, 0.28, 0.13, 0.27
HSL	327°, 28%, 63%
HSV	327°, 28%, 73%
XYZ	35.6195, 30.2593, 38.6078
YIQ	153.1530, 22.2790, 20.2550

Conversions

Conversions Part 2

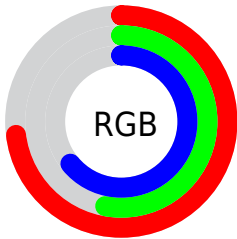
Format	Color
RYB	187, 134, 163
Decimal	12289699
CIELab	61.88, 24.81, -7.29
CIElCh	62, 25.854, 343.630
Yxy	30.2593, 0.3409, 0.2896
Android (android.graphics.Color)	4290479779 (0xFFBB86A3)
YUV	153.1530, 4.8546, 29.6838
Hunter-Lab	55.0085, 19.3188, -3.1069

Details

The Yxy color **30.2593, 0.3409, 0.2896** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.0587, 0.2918, 0.3722**, and the grayscale version is **31.8963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2615, 0.3354, 0.2975**, and **12.4749, 0.3507, 0.2784** is the 20% darker color. If you saturate the color by 10%, you get **25.2469, 0.3546, 0.2752**, and if you desaturate by 10%, it is **36.2084, 0.3293, 0.3040**.

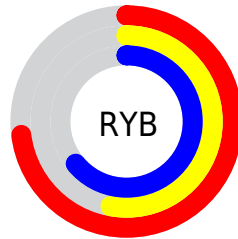
Distribution



Red (73%)

Green (53%)

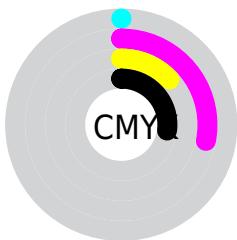
Blue (64%)



Red (73%)

Yellow (53%)

Blue (64%)

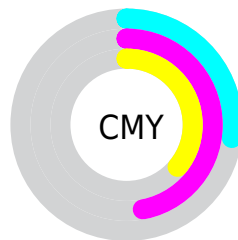


Cyan (0%)

Magenta (28%)

Yellow (13%)

Black (27%)



Cyan (27%)


Magenta (47%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2593, 0.3409, 0.2896 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 30.2593, 0.3409, 0.2896 by changing the saturation by 10% instead.


 30.2593, 0.3409,
0.2896


 30.2593, 0.3409,
0.2896


303.1112, 0.3261,
0.3101


 20.0355, 0.3448,
0.2842


 60.0720, 0.3353,
0.2972

 12.4208, 0.3501,
0.2771


 80.4297, 0.3333,
0.3001

 7.0310, 0.3573,
0.2674


 104.9341, 0.3316,
0.3024

 3.4815, 0.3680,
0.2533

133.9697, 0.3302,
0.3044

 1.3880, 0.3853,
0.2308

167.9208, 0.3289,
0.3061

 0.2078, 0.4598,
0.1190

207.1718, 0.3279,

 0.0000, 0.0000,

0.3076

0.0000

252.1072, 0.3269,
0.3089

■ 30.2593, 0.3409,
0.2896

■ 30.2593, 0.3409,
0.2896

■ 25.2469, 0.3546,
0.2752

■ 36.2084, 0.3293,
0.3040

■ 21.1185, 0.3705,
0.2615

■ 43.1349, 0.3196,
0.3180

■ 17.8226, 0.3885,
0.2494

■ 51.0823, 0.3114,
0.3312

■ 15.3005, 0.4085,
0.2401

■ 60.0901, 0.3047,
0.3436

■ 13.4860, 0.4297,
0.2347

■ 70.1958, 0.2991,
0.3550

■ 12.3013, 0.4513,
0.2342

■ 81.4350, 0.2945,
0.3656

■ 11.6213, 0.4725,
0.2387

■ 87.3655, 0.2903,
0.3651

■ 11.5239, 0.4761,
0.2397

■ 87.8315, 0.2858,
0.3555

■ 88.3207, 0.2815,
0.3461

Harmonies

Analogous

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



30.2593, 0.2984, 0.2688



30.2593, 0.3409, 0.2896



30.2593, 0.3774, 0.3197

Triad

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



30.2593, 0.3409, 0.2896



30.2593, 0.3621, 0.4025



30.2593, 0.2365, 0.2956

Complementary

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



30.2593, 0.3409, 0.2896



43.0587, 0.2918, 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.



30.2593, 0.2512, 0.3337



30.2593, 0.3409, 0.2896



30.2593, 0.3226, 0.3999

Square

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



30.2593, 0.3409, 0.2896



30.2593, 0.3893, 0.3841



30.2593, 0.2821, 0.3737



30.2593, 0.2405, 0.2702

Rectangle

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



30.2593, 0.3409, 0.2896



30.2593, 0.3920, 0.3423



30.2593, 0.2821, 0.3737



30.2593, 0.2394, 0.3072

Sweetspot

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



30.2607, 0.3409, 0.2896



77.5378, 0.3194, 0.3182



27.8972, 0.2865, 0.2532



16.6343, 0.3208, 0.3161



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.



30.2607, 0.3409, 0.2896



48.4289, 0.3492, 0.2806



29.4136, 0.3707, 0.3255



9.6214, 0.3205, 0.3165



7.9595, 0.4737, 0.2383



0.3248, 0.4276, 0.2129

Inverse Universe

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



30.2607, 0.3409, 0.2896



48.4289, 0.3492, 0.2806



44.0639, 0.2739, 0.3327



9.6214, 0.3205, 0.3165



7.9595, 0.4737, 0.2383



0.3248, 0.4276, 0.2129

Previews

White Background



This preview shows how the Yxy color 30.2593, 0.3409, 0.2896 looks on a white background.

Color Contrast Check

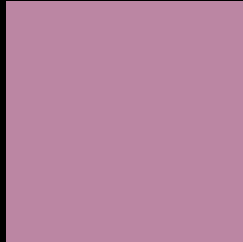
Large Text (above 18pt) WCAG AA × Fail

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 30.2593, 0.3409, 0.2896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

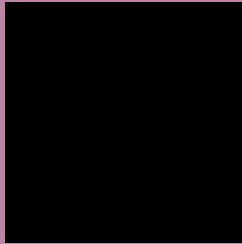
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2593, 0.3409, 0.2896

Background



This preview shows how black text looks on a background with the Yxy color 30.2593, 0.3409, 0.2896.



This preview shows how white text looks on a background with the Yxy color 30.2593, 0.3409, 0.2896.

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

30.2593, 0.3409, 0.2896

Protanopia

30.5844, 0.2890, 0.2941

Deuteranopia

30.5019, 0.3117, 0.3066



Tritanopia

30.3122, 0.3558, 0.3152

Trichromacy



Original Color

30.2593, 0.3409, 0.2896

Protanomaly

30.3882, 0.3062, 0.2923

Deuteranomaly

30.3897, 0.3215, 0.3001

Tritanomaly

30.3473, 0.3505, 0.3056

Monochromacy



Original Color

30.2593, 0.3409, 0.2896

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.9914, 0.3218, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2593, 0.3409, 0.2896 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, 134, 163)` looks like.

```
.text, #text, p{  
    color:rgb(187, 134, 163)  
}
```

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, 134, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 134, 163) }
```

Border

The CSS property to change the border of an element to Yxy 30.2593, 0.3409, 0.2896 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, 134, 163) }
```

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

```
.border{ border-color:rgb(187, 134, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 134, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 134, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 134, 163);  
box-shadow:4px 4px 4px 4px rgb(187, 134,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2593, 0.3409, 0.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 134, 163) }
```

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

```
.background{ background-color: rgb(187,  
134, 163) }
```

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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