

Converting Colors

$Y_{xy}(29.3160, 0.3404, 0.2853)$

Have a look what the booklet for
Yxy(29.3160, 0.3404, 0.2853)
contains.

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Color

Yxy(29.3160, 0.3404, 0.2853)

Conversions

Conversions Part 1

Format	Color
Hex	BA83A3
RGB	186, 131, 163
RGB Percent	73%, 51%, 64%
CMY	0.2706, 0.4863, 0.3608
CMYK	0.00, 0.30, 0.12, 0.27
HSL	325°, 29%, 62%
HSV	325°, 30%, 73%
XYZ	34.9778, 29.3160, 38.4612
YIQ	151.0930, 22.5080, 21.6120

Conversions

Conversions Part 2

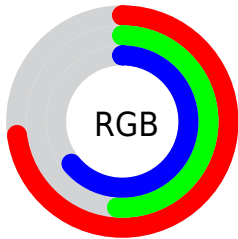
Format	Color
R _Y B	186, 131, 163
Decimal	12223395
CIE Lab	61.06, 26.15, -8.52
CIE LCh	61, 27.505, 341.961
Yxy	29.3160, 0.3404, 0.2853
Android (android.graphics.Color)	4290413475 (0xFFBA83A3)
YUV	151.0930, 5.8702, 30.6134
Hunter-Lab	54.1443, 20.5606, -4.2155

Details

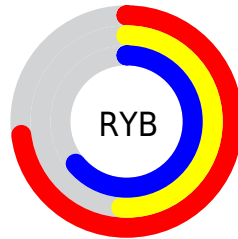
The Yxy color **29.3160, 0.3404, 0.2853** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.2810, 0.2923, 0.3773**, and the grayscale version is **30.9572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8146, 0.3349, 0.2942**, and **11.9381, 0.3499, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **24.4908, 0.3532, 0.2701**, and if you desaturate by 10%, it is **35.0580, 0.3294, 0.3006**.

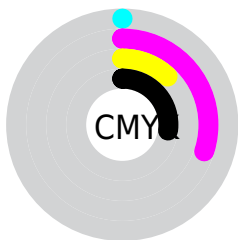
Distribution



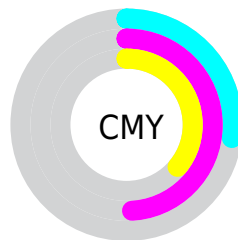
- Red (73%)
- Green (51%)
- Blue (64%)



- Red (73%)
- Yellow (51%)
- Blue (64%)



- Cyan (0%)
- Magenta (30%)
- Yellow (12%)
- Black (27%)





- Cyan (27%)
- Magenta (49%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3160, 0.3404, 0.2853 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 29.3160, 0.3404, 0.2853 by changing the saturation by 10% instead.


 29.3160, 0.3404,
0.2853


 29.3160, 0.3404,
0.2853


298.7030, 0.3259,
0.3081


 19.3200, 0.3443,
0.2793


 58.5788, 0.3349,
0.2938

 11.9017, 0.3494,
0.2715


 78.6143, 0.3330,
0.2969

 6.6768, 0.3565,
0.2607


 102.7652, 0.3313,
0.2995

 3.2608, 0.3669,
0.2449

131.4158, 0.3299,
0.3017

 1.2694, 0.3837,
0.2200

164.9505, 0.3287,
0.3037

 0.1173, 0.4715,
0.0737

203.7536, 0.3276,

 0.0000, 0.0000,

0.3053

0.0000

248.2097, 0.3267,
0.3068

■ 29.3160, 0.3404,
0.2853

■ 29.3160, 0.3404,
0.2853

■ 24.4908, 0.3532,
0.2701

■ 35.0580, 0.3294,
0.3006

■ 20.5301, 0.3681,
0.2558

■ 41.7575, 0.3202,
0.3154

■ 17.3823, 0.3847,
0.2433

■ 49.4577, 0.3124,
0.3296

■ 14.9890, 0.4030,
0.2337

■ 58.1978, 0.3060,
0.3429

■ 13.2835, 0.4222,
0.2281

■ 68.0149, 0.3006,
0.3552

■ 12.1873, 0.4417,
0.2275

■ 78.9444, 0.2961,
0.3665

■ 11.5511, 0.4609,
0.2315

■ 86.9949, 0.2922,
0.3706

■ 11.5268, 0.4617,
0.2317

■ 87.4107, 0.2882,
0.3617

■ 87.8459, 0.2841,
0.3529

Harmonies

Analogous

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



29.3160, 0.2948, 0.2638



29.3160, 0.3404, 0.2853



29.3160, 0.3805, 0.3169

Triad

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



29.3160, 0.3404, 0.2853



29.3160, 0.3676, 0.4074



29.3160, 0.2316, 0.2948

Complementary

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



29.3160, 0.3404, 0.2853



42.2810, 0.2923, 0.3773

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.



29.3160, 0.2481, 0.3364



29.3160, 0.3404, 0.2853



29.3160, 0.3256, 0.4064

Square

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



29.3160, 0.3404, 0.2853



29.3160, 0.3960, 0.3862



29.3160, 0.2820, 0.3794



29.3160, 0.2347, 0.2670

Rectangle

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



29.3160, 0.3404, 0.2853



29.3160, 0.3972, 0.3408



29.3160, 0.2820, 0.3794



29.3160, 0.2349, 0.3076

Sweetspot

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



29.3173, 0.3404, 0.2853



76.2336, 0.3198, 0.3160



26.6409, 0.2833, 0.2491



16.3693, 0.3211, 0.3139



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.



29.3173, 0.3404, 0.2853



47.6861, 0.3479, 0.2761



28.4391, 0.3720, 0.3227



9.0974, 0.3200, 0.3158



7.7692, 0.4594, 0.2304



0.2859, 0.4147, 0.2058

Inverse Universe

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



29.3173, 0.3404, 0.2853



47.6861, 0.3479, 0.2761



43.3010, 0.2736, 0.3355



9.0974, 0.3200, 0.3158



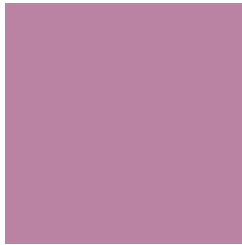
7.7692, 0.4594, 0.2304



0.2859, 0.4147, 0.2058

Previews

White Background



This preview shows how the Yxy color 29.3160, 0.3404, 0.2853 looks on a white background.

Color Contrast Check

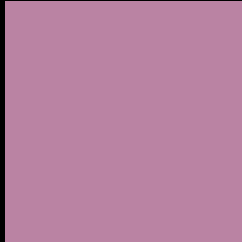
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3160, 0.3404, 0.2853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

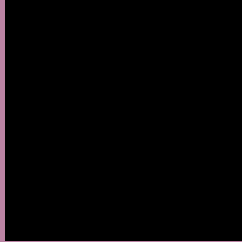
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3160, 0.3404, 0.2853

Background



This preview shows how black text looks on a background with the Yxy color 29.3160, 0.3404, 0.2853.



This preview shows how white text looks on a background with the Yxy color 29.3160, 0.3404, 0.2853.

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

29.3160, 0.3404, 0.2853

Protanopia

29.4145, 0.2851, 0.2877

Deuteranopia

29.5876, 0.3087, 0.3033



Tritanopia

29.2849, 0.3578, 0.3136

Trichromacy



Original Color

29.3160, 0.3404, 0.2853

Protanomaly

29.2853, 0.3043, 0.2876

Deuteranomaly

29.2894, 0.3196, 0.2954

Tritanomaly

29.3563, 0.3512, 0.3027

Monochromacy



Original Color

29.3160, 0.3404, 0.2853

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.2056, 0.3230, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3160, 0.3404, 0.2853 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(186, 131, 163)` looks like.

```
.text, #text, p{  
    color:rgb(186, 131, 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(186, 131, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 131, 163) }
```

Border

The CSS property to change the border of an element to Yxy 29.3160, 0.3404, 0.2853 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(186, 131, 163) }
```

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

```
.border{ border-color:rgb(186, 131, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 131, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 131, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 131, 163);  
box-shadow:4px 4px 4px 4px rgb(186, 131,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3160, 0.3404, 0.2853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 131, 163) }
```

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

```
.background{ background-color: rgb(186,  
131, 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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