

Converting Colors

$Y_{xy}(31.2876, 0.3429, 0.2878)$

Have a look what the booklet for
Yxy(31.2876, 0.3429, 0.2878)
contains.

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Color

Yxy(31.2876, 0.3429, 0.2878)

Conversions

Conversions Part 1

Format	Color
Hex	C087A6
RGB	192, 135, 166
RGB Percent	75%, 53%, 65%
CMY	0.2472, 0.4705, 0.3490
CMYK	0.00, 0.30, 0.14, 0.25
HSL	327°, 31%, 64%
HSV	327°, 30%, 75%
XYZ	37.2777, 31.2876, 40.1477
YIQ	155.5770, 24.0210, 21.7250

Conversions

Conversions Part 2

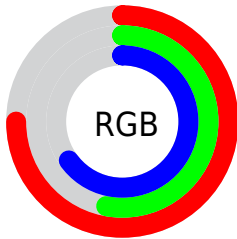
Format	Color
R_{YB}	192, 135, 166
Decimal	12617638
CIE _{Lab}	62.75, 26.56, -7.64
CIE _{LCh}	63, 27.633, 343.949
Yxy	31.2876, 0.3429, 0.2878
Android (android.graphics.Color)	4290807718 (0xFFC087A6)
YUV	155.5770, 5.1385, 31.9430
Hunter-Lab	55.9353, 21.0732, -3.4008

Details

The Yxy color **31.2876, 0.3429, 0.2878** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.4090, 0.2908, 0.3744**, and the grayscale version is **33.0166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7554, 0.3369, 0.2959**, and **12.9588, 0.3537, 0.2746** is the 20% darker color. If you saturate the color by 10%, you get **26.0951, 0.3570, 0.2735**, and if you desaturate by 10%, it is **37.4707, 0.3309, 0.3022**.

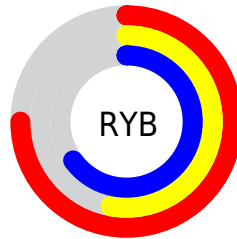
Distribution



Red (75%)

Green (53%)

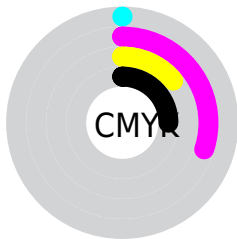
Blue (65%)



Red (75%)

Yellow (53%)

Blue (65%)

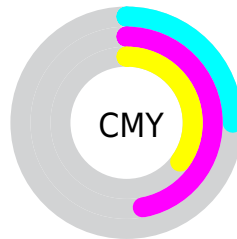


Cyan (0%)

Magenta (30%)

Yellow (14%)

Black (25%)



Cyan (25%)

Magenta (47%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2876, 0.3429, 0.2878 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 31.2876, 0.3429, 0.2878 by changing the saturation by 10% instead.


 31.2876, 0.3429,
0.2878

 31.2876, 0.3429,
0.2878


307.8611, 0.3271,
0.3091


 20.8179, 0.3471,
0.2823

 61.6926, 0.3370,
0.2957

 12.9910, 0.3525,
0.2750

 82.3967, 0.3348,
0.2986

 7.4223, 0.3601,
0.2651


 107.2811, 0.3330,
0.3011

 3.7276, 0.3712,
0.2508

136.7302, 0.3315,
0.3031

 1.5224, 0.3889,
0.2285

171.1283, 0.3302,
0.3049

 0.3044, 0.4458,
0.1442

210.8599, 0.3290,

 0.0000, 0.0000,

0.3065

0.0000

256.3094, 0.3280,
0.3079

■ 31.2876, 0.3429,
0.2878

■ 31.2876, 0.3429,
0.2878

■ 26.0951, 0.3570,
0.2735

■ 37.4707, 0.3309,
0.3022

■ 21.8364, 0.3734,
0.2600

■ 44.6884, 0.3208,
0.3162

■ 18.4559, 0.3919,
0.2483

■ 52.9876, 0.3125,
0.3294

■ 15.8898, 0.4123,
0.2396

■ 62.4106, 0.3055,
0.3419

■ 14.0661, 0.4339,
0.2349

■ 72.9978, 0.2997,
0.3534

■ 12.8993, 0.4558,
0.2353

■ 84.7874, 0.2950,
0.3640

■ 12.2298, 0.4771,
0.2404

■ 88.2832, 0.2904,
0.3591

■ 12.2096, 0.4779,
0.2406

■ 88.7798, 0.2858,
0.3494

■ 89.3014, 0.2814,
0.3398

Harmonies

Analogous

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



31.2876, 0.2979, 0.2658



31.2876, 0.3429, 0.2878



31.2876, 0.3814, 0.3195

Triad

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



31.2876, 0.3429, 0.2878



31.2876, 0.3643, 0.4068



31.2876, 0.2324, 0.2931

Complementary

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



31.2876, 0.3429, 0.2878



45.4090, 0.2908, 0.3744

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.



31.2876, 0.2475, 0.3334



31.2876, 0.3429, 0.2878



31.2876, 0.3225, 0.4040

Square

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



31.2876, 0.3429, 0.2878



31.2876, 0.3934, 0.3872



31.2876, 0.2799, 0.3760



31.2876, 0.2368, 0.2668

Rectangle

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



31.2876, 0.3429, 0.2878



31.2876, 0.3967, 0.3431



31.2876, 0.2799, 0.3760



31.2876, 0.2353, 0.3054

Sweetspot

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



31.2890, 0.3429, 0.2878



81.7377, 0.3204, 0.3169



28.6789, 0.2849, 0.2491



17.0943, 0.3217, 0.3148



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



31.2890, 0.3429, 0.2878



50.0220, 0.3524, 0.2779



30.3673, 0.3746, 0.3253



10.1675, 0.3206, 0.3165



8.2351, 0.4753, 0.2392



0.3696, 0.4319, 0.2153

Inverse Universe

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



31.2890, 0.3429, 0.2878



50.0220, 0.3524, 0.2779



46.5152, 0.2722, 0.3329



10.1675, 0.3206, 0.3165



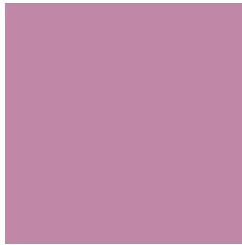
8.2351, 0.4753, 0.2392



0.3696, 0.4319, 0.2153

Previews

White Background



This preview shows how the Yxy color 31.2876, 0.3429, 0.2878 looks on a white background.

Color Contrast Check

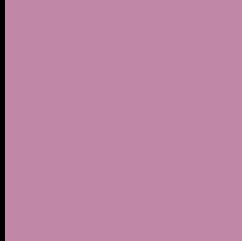
Large Text (above 18pt) WCAG AA × Fail

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 31.2876, 0.3429, 0.2878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

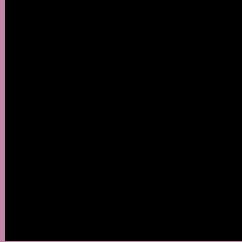
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2876, 0.3429, 0.2878

Background



This preview shows how black text looks on a background with the Yxy color 31.2876, 0.3429, 0.2878.



This preview shows how white text looks on a background with the Yxy color 31.2876, 0.3429, 0.2878.

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

31.2876, 0.3429, 0.2878

Protanopia

31.5637, 0.2876, 0.2917

Deuteranopia

31.5415, 0.3118, 0.3055



Tritanopia

31.2940, 0.3588, 0.3141

Trichromacy



Original Color

31.2876, 0.3429, 0.2878

Protanomaly

31.1219, 0.3064, 0.2900

Deuteranomaly

31.2458, 0.3225, 0.2978

Tritanomaly

31.3342, 0.3535, 0.3047

Monochromacy



Original Color

31.2876, 0.3429, 0.2878

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.1529, 0.3228, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2876, 0.3429, 0.2878 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(192, 135, 166)` looks like.

```
.text, #text, p{  
    color:rgb(192, 135, 166)  
}
```

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(192, 135, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 135, 166) }
```

Border

The CSS property to change the border of an element to Yxy 31.2876, 0.3429, 0.2878 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(192, 135, 166) }
```

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

```
.border{ border-color:rgb(192, 135, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 135, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 135, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 135, 166);  
box-shadow:4px 4px 4px 4px rgb(192, 135,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2876, 0.3429, 0.2878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 135, 166) }
```

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

```
.background{ background-color: rgb(192,  
135, 166) }
```

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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