

Converting Colors

$Y_{xy}(31.1085, 0.2985, 0.2464)$

Have a look what the booklet for
Yxy(31.1085, 0.2985, 0.2464)
contains.

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Color

Yxy(31.1085, 0.2985, 0.2464)

Conversions

Conversions Part 1

Format	Color
Hex	B487C6
RGB	180, 135, 198
RGB Percent	71%, 53%, 78%
CMY	0.2940, 0.4706, 0.2234
CMYK	0.09, 0.32, 0.00, 0.22
HSL	283°, 36%, 65%
HSV	283°, 32%, 78%
XYZ	37.6862, 31.1085, 57.4573
YIQ	155.6370, 6.5970, 29.1330

Conversions

Conversions Part 2

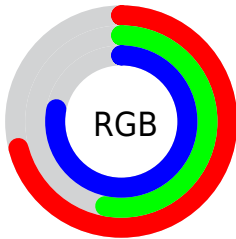
Format	Color
RYB	180, 135, 198
Decimal	11831238
CIELab	62.60, 28.54, -26.10
CIElCh	63, 38.674, 317.550
Yxy	31.1085, 0.2985, 0.2464
Android (android.graphics.Color)	4290021318 (0xFFB487C6)
YUV	155.6370, 20.8850, 21.3664
Hunter-Lab	55.7750, 23.0032, -22.0358

Details

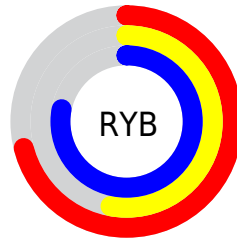
The Yxy color **31.1085, 0.2985, 0.2464** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.9177, 0.3223, 0.4181**, and the grayscale version is **32.9804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4481, 0.3014, 0.2615**, and **12.9462, 0.2920, 0.2239** is the 20% darker color. If you saturate the color by 10%, you get **25.4243, 0.2925, 0.2194**, and if you desaturate by 10%, it is **37.8506, 0.3038, 0.2734**.

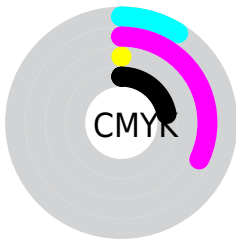
Distribution



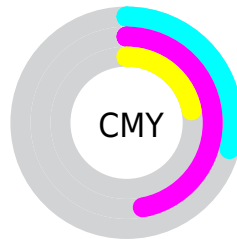
- Red (71%)
- Green (53%)
- Blue (78%)



- Red (71%)
- Yellow (53%)
- Blue (78%)



- Cyan (9%)
- Magenta (32%)
- Yellow (0%)
- Black (22%)





- Cyan (29%)
- Magenta (47%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1085, 0.2985, 0.2464 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 31.1085, 0.2985, 0.2464 by changing the saturation by 10% instead.

 31.1085, 0.2985,
0.2464


 31.1085, 0.2985,
0.2464


307.0379, 0.3069,
0.2877

 20.6815, 0.2960,
0.2362


 61.4109, 0.3019,
0.2613

 12.8914, 0.2925,
0.2232


 82.0550, 0.3030,
0.2670

 7.3538, 0.2874,
0.2062


 106.8736, 0.3040,
0.2717

 3.6843, 0.2796,
0.1829

136.2511, 0.3048,
0.2758

 1.4986, 0.2661,
0.1499

170.5719, 0.3054,
0.2794

 0.2877, 0.2477,
0.0730

210.2203, 0.3060,

 0.0000, 0.0000,

0.2825

0.0000

255.5809, 0.3065,
0.2852

■ 31.1085, 0.2985,
0.2464

■ 31.1085, 0.2985,
0.2464

■ 25.4243, 0.2925,
0.2194

■ 37.8506, 0.3038,
0.2734

■ 20.7366, 0.2857,
0.1935

■ 45.6997, 0.3083,
0.2997

■ 16.9838, 0.2784,
0.1697


■ 54.7065, 0.3121,
0.3246


■ 14.0957, 0.2708,
0.1492


■ 64.9173, 0.3152,
0.3479


■ 11.9916, 0.2630,
0.1329

■ 76.3759, 0.3177,
0.3693

 10.5756, 0.2554,
0.1214

 89.1239, 0.3198,
0.3889

 9.7847, 0.2494,
0.1148

 90.7510, 0.3233,
0.3893

 91.6459, 0.3269,
0.3887

 92.5708, 0.3306,
0.3880

Harmonies

Analogous

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



31.1085, 0.2450, 0.2329



31.1085, 0.2985, 0.2464



31.1085, 0.3618, 0.2772

Triad

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



31.1085, 0.2985, 0.2464



31.1085, 0.4206, 0.4113



31.1085, 0.2193, 0.3260

Complementary

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



31.1085, 0.2985, 0.2464



48.9177, 0.3223, 0.4181

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.



31.1085, 0.2598, 0.3896



31.1085, 0.2985, 0.2464



31.1085, 0.3760, 0.4394

Square

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



31.1085, 0.2985, 0.2464



31.1085, 0.4361, 0.3672



31.1085, 0.3170, 0.4342



31.1085, 0.2031, 0.2718

Rectangle

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



31.1085, 0.2985, 0.2464



31.1085, 0.3995, 0.3047



31.1085, 0.3170, 0.4342



31.1085, 0.2303, 0.3474

Sweetspot

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



31.1098, 0.2985, 0.2464



83.4413, 0.3090, 0.3040



32.3059, 0.2600, 0.2647



17.3987, 0.3084, 0.3003



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.



31.1098, 0.2985, 0.2464



48.0942, 0.2945, 0.2282



32.8539, 0.3289, 0.2651



10.6587, 0.3093, 0.3059



6.4068, 0.2504, 0.1153



0.3388, 0.2656, 0.1237

Inverse Universe

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



31.6328, 0.3640, 0.3054



49.2828, 0.3797, 0.3002



47.6736, 0.3000, 0.4028



10.6859, 0.3246, 0.3224



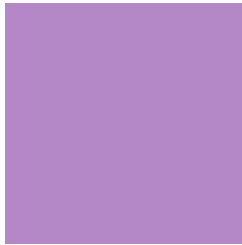
8.0096, 0.5791, 0.2964



0.3920, 0.5179, 0.2627

Previews

White Background



This preview shows how the Yxy color 31.1085, 0.2985, 0.2464 looks on a white background.

Color Contrast Check

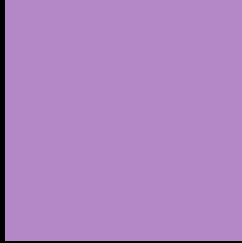
Large Text (above 18pt) WCAG AA × Fail

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 31.1085, 0.2985, 0.2464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

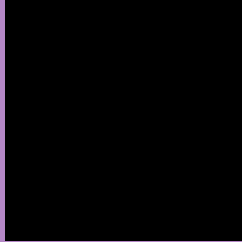
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1085, 0.2985, 0.2464

Background



This preview shows how black text looks on a background with the Yxy color 31.1085, 0.2985, 0.2464.



This preview shows how white text looks on a background with the Yxy color 31.1085, 0.2985, 0.2464.

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

31.1085, 0.2985, 0.2464

Protanopia

31.4845, 0.2511, 0.2451

Deuteranopia

31.2747, 0.2679, 0.2624



Tritanopia

31.3117, 0.3336, 0.3133

Trichromacy



Original Color

31.1085, 0.2985, 0.2464

Protanomaly

31.2379, 0.2667, 0.2457

Deuteranomaly

31.0000, 0.2779, 0.2560

Tritanomaly

31.2201, 0.3199, 0.2872

Monochromacy



Original Color

31.1085, 0.2985, 0.2464

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.1194, 0.3082, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1085, 0.2985, 0.2464 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(180, 135, 198)` looks like.

```
.text, #text, p{  
    color:rgb(180, 135, 198)  
}
```

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(180, 135, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 135, 198) }
```

Border

The CSS property to change the border of an element to Yxy 31.1085, 0.2985, 0.2464 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(180, 135, 198) }
```

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

```
.border{ border-color:rgb(180, 135, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 135, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 135, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 135, 198);  
box-shadow:4px 4px 4px 4px rgb(180, 135,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1085, 0.2985, 0.2464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 135, 198) }
```

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

```
.background{ background-color: rgb(180,  
135, 198) }
```

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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