

Converting Colors

$Y_{xy}(31.2836, 0.3009, 0.2368)$

Have a look what the booklet for
Yxy(31.2836, 0.3009, 0.2368)
contains.

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Color

Yxy(31.2836, 0.3009, 0.2368)

Conversions

Conversions Part 1

Format	Color
Hex	BC83CC
RGB	188, 131, 204
RGB Percent	74%, 51%, 80%
CMY	0.2628, 0.4862, 0.2000
CMYK	0.08, 0.36, 0.00, 0.20
HSL	287°, 42%, 66%
HSV	287°, 36%, 80%
XYZ	39.7518, 31.2836, 61.0744
YIQ	156.3650, 10.5390, 34.7870

Conversions

Conversions Part 2

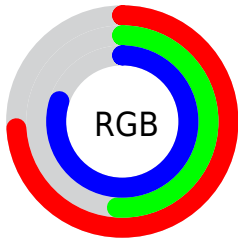
Format	Color
R_{YB}	188, 131, 204
Decimal	12354508
CIE _{Lab}	62.75, 34.49, -29.17
CIE _{LCh}	63, 45.176, 319.779
Yxy	31.2836, 0.3009, 0.2368
Android (android.graphics.Color)	4290544588 (0xFFBC83CC)
YUV	156.3650, 23.4841, 27.7439
Hunter-Lab	55.9317, 28.9831, -25.5892

Details

The Yxy color **31.2836, 0.3009, 0.2368** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.0347, 0.3195, 0.4321**, and the grayscale version is **33.3074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3304, 0.3083, 0.2588**, and **13.0077, 0.2955, 0.2111** is the 20% darker color. If you saturate the color by 10%, you get **25.7734, 0.2963, 0.2110**, and if you desaturate by 10%, it is **37.8930, 0.3050, 0.2633**.

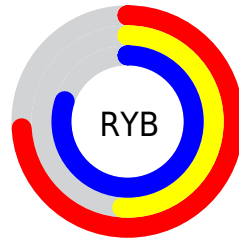
Distribution



Red (74%)

Green (51%)

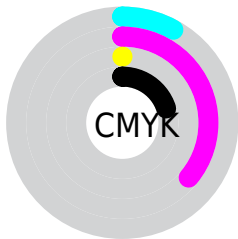
Blue (80%)



Red (74%)

Yellow (51%)

Blue (80%)

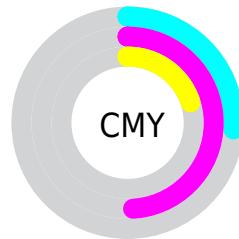


Cyan (8%)

Magenta (36%)

Yellow (0%)

Black (20%)



Cyan (26%)


Magenta (49%)


Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2836, 0.3009, 0.2368 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 31.2836, 0.3009, 0.2368 by changing the saturation by 10% instead.


 31.2836, 0.3009,
0.2368


 31.2836, 0.3009,
0.2368


307.8427, 0.3083,
0.2823


 20.8149, 0.2986,
0.2258


 61.6863, 0.3039,
0.2531

 12.9888, 0.2953,
0.2118


 82.3891, 0.3050,
0.2593

 7.4208, 0.2906,
0.1937


 107.2720, 0.3058,
0.2646

 3.7266, 0.2830,
0.1695

136.7195, 0.3065,
0.2691

 1.5219, 0.2701,
0.1360

171.1159, 0.3071,
0.2731

 0.3040, 0.2515,
0.0656

210.8457, 0.3076,

 0.0000, 0.0626,

0.2765

0.0000

256.2931, 0.3080,
0.2796

0.0000, 0.0000,
0.0000

31.2836, 0.3009,
0.2368

31.2836, 0.3009,
0.2368

25.7734, 0.2963,
0.2110

37.8930, 0.3050,
0.2633

21.2947, 0.2911,
0.1869

45.6561, 0.3084,
0.2896

17.7783, 0.2855,
0.1656


54.6288, 0.3113,
0.3149


15.1448, 0.2797,
0.1480


64.8618, 0.3136,
0.3389


13.3021, 0.2737,
0.1350

76.4032, 0.3155,
0.3613

 12.1357, 0.2679,
0.1265

 89.2984, 0.3170,
0.3818

 11.7539, 0.2655,
0.1236

 90.9916, 0.3197,
0.3829

 91.6970, 0.3225,
0.3824

 92.4212, 0.3254,
0.3819

Harmonies

Analogous

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



31.2836, 0.2384, 0.2198



31.2836, 0.3009, 0.2368



31.2836, 0.3748, 0.2726

Triad

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



31.2836, 0.3009, 0.2368



31.2836, 0.4337, 0.4254



31.2836, 0.2029, 0.3189

Complementary

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



31.2836, 0.3009, 0.2368



51.0347, 0.3195, 0.4321

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.



31.2836, 0.2465, 0.3951



31.2836, 0.3009, 0.2368



31.2836, 0.3796, 0.4586

Square

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



31.2836, 0.3009, 0.2368



31.2836, 0.4560, 0.3747



31.2836, 0.3110, 0.4512



31.2836, 0.1874, 0.2582

Rectangle

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



31.2836, 0.3009, 0.2368



31.2836, 0.4181, 0.3039



31.2836, 0.3110, 0.4512



31.2836, 0.2144, 0.3439

Sweetspot

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



31.2849, 0.3009, 0.2368



82.2416, 0.3098, 0.3015



30.3797, 0.2517, 0.2478



17.1727, 0.3094, 0.2980



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.



31.2849, 0.3009, 0.2368



44.5552, 0.2973, 0.2166



32.5576, 0.3365, 0.2625



11.2747, 0.3103, 0.3059



7.4398, 0.2663, 0.1241



0.4154, 0.2775, 0.1303

Inverse Universe

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



31.1818, 0.3788, 0.3085



44.4983, 0.4005, 0.3040



50.2330, 0.2954, 0.4065



11.2533, 0.3256, 0.3239



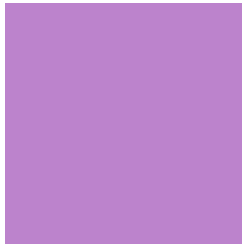
8.2097, 0.6003, 0.3081



0.4352, 0.5444, 0.2772

Previews

White Background



This preview shows how the Yxy color 31.2836, 0.3009, 0.2368 looks on a white background.

Color Contrast Check

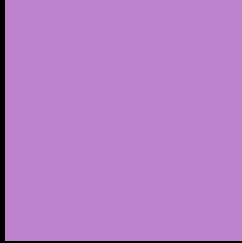
Large Text (above 18pt) WCAG AA × Fail

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 31.2836, 0.3009, 0.2368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

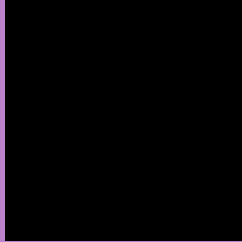
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2836, 0.3009, 0.2368

Background



This preview shows how black text looks on a background with the Yxy color 31.2836, 0.3009, 0.2368.



This preview shows how white text looks on a background with the Yxy color 31.2836, 0.3009, 0.2368.

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

31.2836, 0.3009, 0.2368

Protanopia

31.6730, 0.2420, 0.2329

Deuteranopia

31.5583, 0.2619, 0.2571



Tritanopia

31.4697, 0.3436, 0.3136

Trichromacy



Original Color

31.2836, 0.3009, 0.2368

Protanomaly

31.0793, 0.2599, 0.2326

Deuteranomaly

31.0301, 0.2747, 0.2488

Tritanomaly

31.3459, 0.3276, 0.2829

Monochromacy



Original Color

31.2836, 0.3009, 0.2368

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.2094, 0.3094, 0.2920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2836, 0.3009, 0.2368 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(188, 131, 204)` looks like.

```
.text, #text, p{  
    color:rgb(188, 131, 204)  
}
```

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(188, 131, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 131, 204) }
```

Border

The CSS property to change the border of an element to Yxy 31.2836, 0.3009, 0.2368 is called "border". The border property can be set on classes, ids or directly on the HTML element.

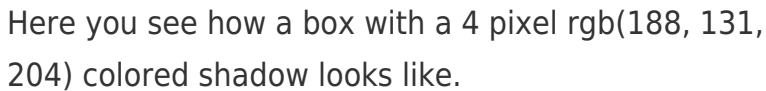
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 131, 204) }
```

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

```
.border{ border-color:rgb(188, 131, 204) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 131, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 131, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 131, 204); box-shadow:4px 4px 4px 4px rgb(188, 131, 204) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2836, 0.3009, 0.2368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 131, 204) }
```

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

```
.background{ background-color: rgb(188,  
131, 204) }
```

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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