

Converting Colors

$Y_{xy}(31.7012, 0.2879, 0.2392)$

Have a look what the booklet for
Yxy(31.7012, 0.2879, 0.2392)
contains.

Yxy(31.5777, 0.2877, 0.2391)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.5777, 0.2877, 0.2391)

Conversions

Conversions Part 1

Format	Color
Hex	B089CE
RGB	176, 137, 206
RGB Percent	69%, 54%, 81%
CMY	0.3097, 0.4628, 0.1921
CMYK	0.15, 0.34, 0.00, 0.19
HSL	274°, 41%, 67%
HSV	274°, 34%, 81%
XYZ	37.9963, 31.5777, 62.4951
YIQ	156.5270, 1.0950, 29.7270

Conversions

Conversions Part 2

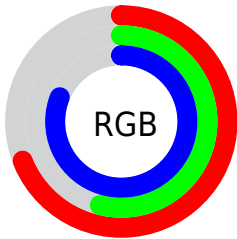
Format	Color
R_{YB}	176, 137, 206
Decimal	11569614
CIE _{Lab}	62.99, 27.85, -30.02
CIE _{LCh}	63, 40.944, 312.852
Yxy	31.5777, 0.2877, 0.2391
Android (android.graphics.Color)	4289759694 (0xFFB089CE)
YUV	156.5270, 24.3902, 17.0778
Hunter-Lab	56.1940, 22.3553, -26.6023

Details

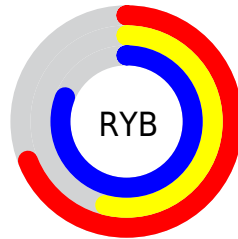
The Yxy color **31.5777, 0.2877, 0.2391** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.1701, 0.3307, 0.4213**, and the grayscale version is **33.3835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6374, 0.2984, 0.2629**, and **13.1883, 0.2784, 0.2157** is the 20% darker color. If you saturate the color by 10%, you get **25.2615, 0.2778, 0.2102**, and if you desaturate by 10%, it is **39.0836, 0.2965, 0.2676**.

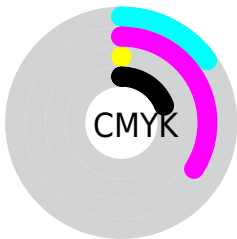
Distribution



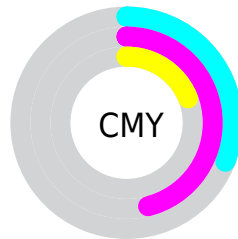
- Red (69%)
- Green (54%)
- Blue (81%)



- Red (69%)
- Yellow (54%)
- Blue (81%)



- Cyan (15%)
- Magenta (34%)
- Yellow (0%)
- Black (19%)



- Cyan (31%)
- Magenta (46%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5777, 0.2877, 0.2391 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 31.5777, 0.2877, 0.2391 by changing the saturation by 10% instead.


 31.5777, 0.2877,
0.2391


 31.5777, 0.2877,
0.2391

309.1910, 0.3018,
0.2837


 21.0391, 0.2837,
0.2282


 62.1485, 0.2932,
0.2552

 13.1526, 0.2784,
0.2144


 82.9495, 0.2951,
0.2612

 7.5337, 0.2708,
0.1965


 107.9401, 0.2967,
0.2664

 3.7981, 0.2595,
0.1724

137.5047, 0.2981,
0.2708

 1.5613, 0.2413,
0.1389

172.0277, 0.2992,
0.2747

 0.3313, 0.2136,
0.0705

211.8935, 0.3002,

 0.0000, 0.0000,

0.2781

0.0000

257.4865, 0.3010,
0.2810

■ 31.5777, 0.2877,
0.2391

■ 31.5777, 0.2877,
0.2391

■ 25.2615, 0.2778,
0.2102

■ 39.0836, 0.2965,
0.2676

■ 20.0657, 0.2670,
0.1820

■ 47.8352, 0.3041,
0.2949

■ 15.9202, 0.2556,
0.1559


■ 57.8898, 0.3107,
0.3205


■ 12.7447, 0.2439,
0.1331


■ 69.2999, 0.3162,
0.3441

■ 10.4469, 0.2324,
0.1150

■ 82.1150, 0.3208,
0.3656


 8.9155, 0.2216,
0.1020

 92.7559, 0.3252,
0.3796

 8.2046, 0.2150,
0.0958

 94.2729, 0.3310,
0.3787

 95.8670, 0.3369,
0.3778

 97.2370, 0.3418,
0.3770

Harmonies

Analogous

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



31.5777, 0.2347, 0.2282



31.5777, 0.2877, 0.2391



31.5777, 0.3539, 0.2687

Triad

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



31.5777, 0.2877, 0.2391



31.5777, 0.4308, 0.4083



31.5777, 0.2197, 0.3360

Complementary

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



31.5777, 0.2877, 0.2391



54.1701, 0.3307, 0.4213

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.



31.5777, 0.2654, 0.4027



31.5777, 0.2877, 0.2391



31.5777, 0.3876, 0.4423

Square

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



31.5777, 0.2877, 0.2391



31.5777, 0.4417, 0.3606



31.5777, 0.3268, 0.4441



31.5777, 0.1989, 0.2760

Rectangle

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



31.5777, 0.2877, 0.2391



31.5777, 0.3956, 0.2962



31.5777, 0.3268, 0.4441



31.5777, 0.2324, 0.3589

Sweetspot

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



31.5790, 0.2877, 0.2391



82.7546, 0.3065, 0.3038



37.7994, 0.2587, 0.2757



17.2322, 0.3055, 0.3001



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.



31.5790, 0.2877, 0.2391



43.8044, 0.2809, 0.2189



35.3042, 0.3198, 0.2502



11.1517, 0.3070, 0.3057



5.1096, 0.2164, 0.0966



0.3080, 0.2363, 0.1076

Inverse Universe

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



33.8024, 0.3565, 0.2912



48.0883, 0.3695, 0.2832



51.3748, 0.3059, 0.4229



11.2933, 0.3223, 0.3190



8.5481, 0.5217, 0.2647



0.4561, 0.4728, 0.2378

Previews

White Background



This preview shows how the Yxy color 31.5777, 0.2877, 0.2391 looks on a white background.

Color Contrast Check

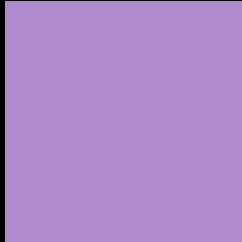
Large Text (above 18pt) WCAG AA × Fail

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 31.5777, 0.2877, 0.2391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

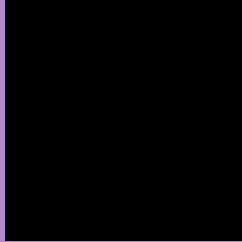
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5777, 0.2877, 0.2391

Background



This preview shows how black text looks on a background with the Yxy color 31.5777, 0.2877, 0.2391.



This preview shows how white text looks on a background with the Yxy color 31.5777, 0.2877, 0.2391.

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

31.5777, 0.2877, 0.2391

Protanopia

31.6761, 0.2452, 0.2367

Deuteranopia

31.6135, 0.2590, 0.2532



Tritanopia

31.6609, 0.3238, 0.3130

Trichromacy



Original Color

31.5777, 0.2877, 0.2391

Protanomaly

31.3002, 0.2592, 0.2370

Deuteranomaly

31.2858, 0.2683, 0.2471

Tritanomaly

31.3980, 0.3107, 0.2840

Monochromacy



Original Color

31.5777, 0.2877, 0.2391

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.8004, 0.3036, 0.2932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5777, 0.2877, 0.2391 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(176, 137, 206)` looks like.

```
.text, #text, p{  
    color:rgb(176, 137, 206)  
}
```

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(176, 137, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 137, 206) }
```

Border

The CSS property to change the border of an element to Yxy 31.5777, 0.2877, 0.2391 is called "border". The border property can be set on classes, ids or directly on the HTML element.

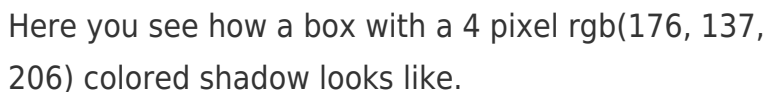
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 137, 206) }
```

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

```
.border{ border-color:rgb(176, 137, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 137, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 137, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 137, 206); box-shadow:4px 4px 4px 4px rgb(176, 137, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5777, 0.2877, 0.2391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 137, 206) }
```

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

```
.background{ background-color: rgb(176,  
137, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor