

Converting Colors

$Yxy(48.7346, 0.2927, 0.2663)$

Have a look what the booklet for
Yxy(48.7346, 0.2927, 0.2663)
contains.

Yxy(48.7346, 0.2927, 0.2663)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.7346, 0.2927, 0.2663)

Conversions

Conversions Part 1

Format	Color
Hex	C9AFE5
RGB	201, 175, 229
RGB Percent	79%, 69%, 90%
CMY	0.2116, 0.3138, 0.1020
CMYK	0.12, 0.24, 0.00, 0.10
HSL	269°, 51%, 79%
HSV	269°, 24%, 90%
XYZ	53.5660, 48.7346, 80.7058
YIQ	188.9300, -1.8380, 22.3060

Conversions

Conversions Part 2

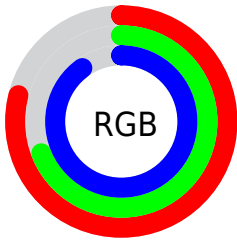
Format	Color
R_{YB}	201, 175, 229
Decimal	13217765
CIE _{Lab}	75.29, 19.53, -23.61
CIE _{LCh}	75, 30.641, 309.596
Yxy	48.7346, 0.2927, 0.2663
Android (android.graphics.Color)	4291407845 (0xFFC9AFE5)
YUV	188.9300, 19.7545, 10.5854
Hunter-Lab	69.8102, 14.7968, -19.6766

Details

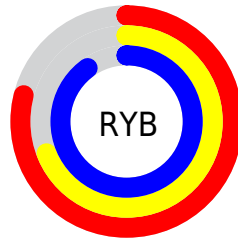
The Yxy color $48.7346, 0.2927, 0.2663$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $71.8188, 0.3291, 0.3915$, and the grayscale version is $50.7355, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.6318, 0.3138, 0.3058$, and $23.1392, 0.2876, 0.2508$ is the 20% darker color. If you saturate the color by 10%, you get $38.9857, 0.2820, 0.2368$, and if you desaturate by 10%, it is $60.1258, 0.3021, 0.2943$.

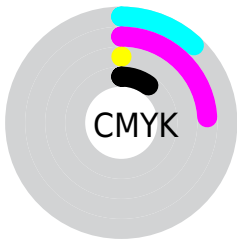
Distribution



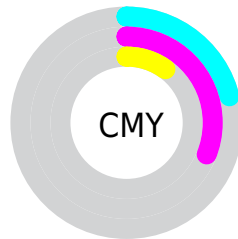
- Red (79%)
- Green (69%)
- Blue (90%)



- Red (79%)
- Yellow (69%)
- Blue (90%)



- Cyan (12%)
- Magenta (24%)
- Yellow (0%)
- Black (10%)



- Cyan (21%)
- Magenta (31%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7346, 0.2927, 0.2663 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 48.7346, 0.2927, 0.2663 by changing the saturation by 10% instead.

■ 48.7346, 0.2927,
0.2663

■ 48.7346, 0.2927,
0.2663

■ 381.6966, 0.3030,
0.2960

■ 34.4090, 0.2901,
0.2594

■ 88.2971, 0.2965,
0.2767

■ 23.2080, 0.2867,
0.2507

■ 114.3029, 0.2979,
0.2808

■ 14.7472, 0.2822,
0.2397

■ 144.9708, 0.2991,
0.2842

■ 8.6421, 0.2760,
0.2252

■ 180.6852, 0.3001,
0.2872

■ 4.5085, 0.2667,
0.2053

■ 221.8307, 0.3010,
0.2898

■ 1.9619, 0.2519,
0.1766

■ 268.7914, 0.3017,

■ 0.5852, 0.2269,

0.2921

0.1267

321.9519, 0.3024,
0.2942

 0.0000, 0.0000,
0.0000


 48.7346, 0.2927,
0.2663

 48.7346, 0.2927,
0.2663


 38.9857, 0.2820,
0.2368

 60.1258, 0.3021,
0.2943


 30.7940, 0.2700,
0.2067


 73.2268, 0.3101,
0.3202

 24.0756, 0.2570,
0.1771

 88.1086, 0.3170,
0.3440

 18.7363, 0.2434,
0.1494

 97.2170, 0.3238,
0.3545

 14.6702, 0.2297,
0.1253

 98.4367, 0.3280,
0.3542

■ 11.7555, 0.2165,
0.1060

■ 9.8448, 0.2046,
0.0924

■ 8.9998, 0.1976,
0.0862

Harmonies

Analogous

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



48.7346, 0.2578, 0.2610



48.7346, 0.2927, 0.2663



48.7346, 0.3355, 0.2857

Triad

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



48.7346, 0.2927, 0.2663



48.7346, 0.3924, 0.3810



48.7346, 0.2539, 0.3394

Complementary

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



48.7346, 0.2927, 0.2663



71.8188, 0.3291, 0.3915

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.



48.7346, 0.2869, 0.3789



48.7346, 0.2927, 0.2663



48.7346, 0.3673, 0.4019

Square

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



48.7346, 0.2927, 0.2663



48.7346, 0.3953, 0.3492



48.7346, 0.3284, 0.4025



48.7346, 0.2366, 0.2998

Rectangle

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



48.7346, 0.2927, 0.2663



48.7346, 0.3625, 0.3045



48.7346, 0.3284, 0.4025



48.7346, 0.2634, 0.3534

Sweetspot

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



48.7366, 0.2927, 0.2663



87.4245, 0.3075, 0.3115



57.8573, 0.2755, 0.2987



18.4916, 0.3070, 0.3099



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.



48.7366, 0.2927, 0.2663



56.2457, 0.2880, 0.2529



52.6764, 0.3140, 0.2702



14.2265, 0.3056, 0.3052



5.2170, 0.1992, 0.0871



0.4406, 0.2152, 0.0959

Inverse Universe

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



51.6236, 0.3369, 0.2977



60.5724, 0.3429, 0.2914



68.4521, 0.3108, 0.3952



14.4920, 0.3212, 0.3169



10.3042, 0.4879, 0.2461



0.7802, 0.4569, 0.2291

Previews

White Background



This preview shows how the Yxy color 48.7346, 0.2927, 0.2663 looks on a white background.

Color Contrast Check

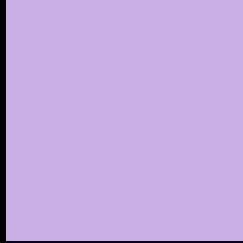
Large Text (above 18pt) WCAG AA × Fail

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 48.7346, 0.2927, 0.2663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

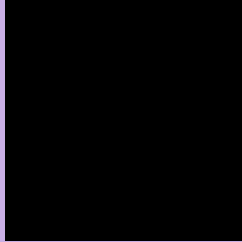
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7346, 0.2927, 0.2663

Background



This preview shows how black text looks on a background with the Yxy color 48.7346, 0.2927, 0.2663.



This preview shows how white text looks on a background with the Yxy color 48.7346, 0.2927, 0.2663.

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

48.7346, 0.2927, 0.2663

Protanopia

49.1634, 0.2683, 0.2672

Deuteranopia

49.0024, 0.2791, 0.2734



Tritanopia

48.7236, 0.3144, 0.3117

Trichromacy



Original Color

48.7346, 0.2927, 0.2663

Protanomaly

48.9982, 0.2764, 0.2668

Deuteranomaly

48.6605, 0.2842, 0.2705

Tritanomaly

48.7510, 0.3067, 0.2951

Monochromacy



Original Color

48.7346, 0.2927, 0.2663

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.9781, 0.3048, 0.3045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7346, 0.2927, 0.2663 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(201, 175, 229)` looks like.

```
.text, #text, p{  
    color:rgb(201, 175, 229)  
}
```

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(201, 175, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 175, 229) }
```

Border

The CSS property to change the border of an element to Yxy 48.7346, 0.2927, 0.2663 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(201, 175, 229) }
```

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

```
.border{ border-color:rgb(201, 175, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 175, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 175, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 175, 229);  
box-shadow:4px 4px 4px 4px rgb(201, 175,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7346, 0.2927, 0.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 175, 229) }
```

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

```
.background{ background-color: rgb(201,  
175, 229) }
```

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