

Converting Colors

$Y_{xy}(34.8516, 0.2878, 0.2233)$

Have a look what the booklet for
Yxy(34.8516, 0.2878, 0.2233)
contains.

Yxy(34.8516, 0.2878, 0.2233)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.8516, 0.2878, 0.2233)

Conversions

Conversions Part 1

Format	Color
Hex	C289E2
RGB	194, 137, 226
RGB Percent	76%, 54%, 89%
CMY	0.2392, 0.4627, 0.1138
CMYK	0.14, 0.39, 0.00, 0.11
HSL	278°, 61%, 71%
HSV	278°, 39%, 89%
XYZ	44.9185, 34.8516, 76.3052
YIQ	164.1890, 5.4030, 39.7630

Conversions

Conversions Part 2

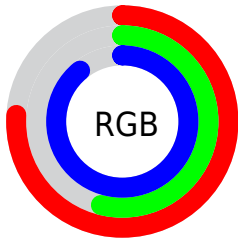
Format	Color
RYB	194, 137, 226
Decimal	12749282
CIELab	65.63, 37.60, -36.90
CIElCh	66, 52.680, 315.534
Yxy	34.8516, 0.2878, 0.2233
Android (android.graphics.Color)	4290939362 (0xFFC289E2)
YUV	164.1890, 30.4728, 26.1442
Hunter-Lab	59.0352, 32.5045, -35.3098

Details

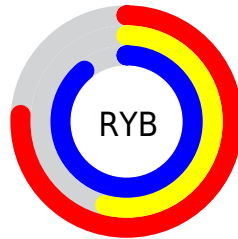
The Yxy color **34.8516, 0.2878, 0.2233** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.6313, 0.3286, 0.4417**, and the grayscale version is **37.0701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1771, 0.3134, 0.2659**, and **15.0468, 0.2790, 0.1977** is the 20% darker color. If you saturate the color by 10%, you get **28.0403, 0.2792, 0.1957**, and if you desaturate by 10%, it is **43.0702, 0.2955, 0.2515**.

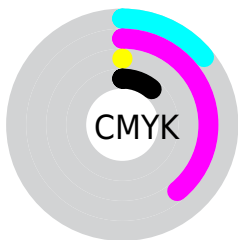
Distribution



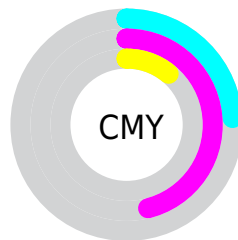
- Red (76%)
- Green (54%)
- Blue (89%)



- Red (76%)
- Yellow (54%)
- Blue (89%)



- Cyan (14%)
- Magenta (39%)
- Yellow (0%)
- Black (11%)





- Cyan (24%)
- Magenta (46%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8516, 0.2878, 0.2233 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 34.8516, 0.2878, 0.2233 by changing the saturation by 10% instead.


 34.8516, 0.2878,
0.2233


 34.8516, 0.2878,
0.2233

323.9128, 0.3020,
0.2738


 23.5486, 0.2838,
0.2115


 67.2558, 0.2933,
0.2410

 14.9991, 0.2785,
0.1970


 89.1258, 0.2953,
0.2479

 8.8188, 0.2711,
0.1786


 115.2869, 0.2969,
0.2538

 4.6232, 0.2603,
0.1548

146.1235, 0.2983,
0.2589

 2.0279, 0.2435,
0.1234

182.0200, 0.2994,
0.2633

 0.6236, 0.2160,
0.0791

223.3608, 0.3004,

 0.0000, 0.1541,

0.2672

0.0000

270.5303, 0.3012,
0.2707

■ 0.0000, 0.0000,
0.0000

■ 34.8516, 0.2878,
0.2233

■ 34.8516, 0.2878,
0.2233

■ 28.0403, 0.2792,
0.1957

■ 43.0702, 0.2955,
0.2515

■ 22.5462, 0.2699,
0.1698

■ 52.7698, 0.3023,
0.2792

■ 18.2757, 0.2601,
0.1469

■ 64.0245, 0.3081,
0.3057

■ 15.1202, 0.2503,
0.1282

■ 76.9016, 0.3130,
0.3305

■ 12.9514, 0.2408,
0.1144

■ 91.4647, 0.3171,
0.3534

■ 11.5618, 0.2317,
0.1052

■ 96.0218, 0.3219,
0.3579

■ 11.4849, 0.2312,
0.1047

■ 97.4981, 0.3271,
0.3574

■ 98.2706, 0.3298,
0.3572

Harmonies

Analogous

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



34.8516, 0.2222, 0.2078



34.8516, 0.2878, 0.2233



34.8516, 0.3705, 0.2597

Triad

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



34.8516, 0.2878, 0.2233



34.8516, 0.4528, 0.4267



34.8516, 0.1956, 0.3283

Complementary

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



34.8516, 0.2878, 0.2233



64.6313, 0.3286, 0.4417

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.



34.8516, 0.2470, 0.4158



34.8516, 0.2878, 0.2233



34.8516, 0.3956, 0.4705

Square

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



34.8516, 0.2878, 0.2233



34.8516, 0.4730, 0.3689



34.8516, 0.3203, 0.4729



34.8516, 0.1749, 0.2566

Rectangle

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



34.8516, 0.2878, 0.2233



34.8516, 0.4220, 0.2927



34.8516, 0.3203, 0.4729



34.8516, 0.2094, 0.3576

Sweetspot

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



34.8530, 0.2878, 0.2233



79.9789, 0.3066, 0.2986



39.4233, 0.2469, 0.2538



16.6926, 0.3059, 0.2952



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.



34.8530, 0.2878, 0.2233



38.5719, 0.2810, 0.2013



38.9233, 0.3282, 0.2435



13.6763, 0.3081, 0.3055



6.6217, 0.2326, 0.1055



0.5088, 0.2462, 0.1130

Inverse Universe

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



36.9267, 0.3751, 0.2918



41.8543, 0.3942, 0.2845



61.8738, 0.3005, 0.4331



13.7816, 0.3236, 0.3206



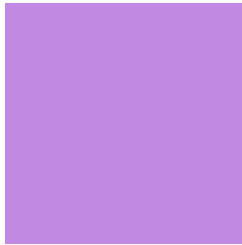
9.5863, 0.5531, 0.2821



0.6812, 0.5105, 0.2586

Previews

White Background



This preview shows how the Yxy color 34.8516, 0.2878, 0.2233 looks on a white background.

Color Contrast Check

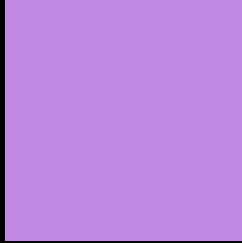
Large Text (above 18pt) WCAG AA × Fail

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 34.8516, 0.2878, 0.2233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

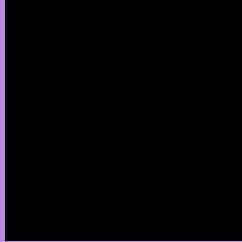
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8516, 0.2878, 0.2233

Background



This preview shows how black text looks on a background with the Yxy color 34.8516, 0.2878, 0.2233.



This preview shows how white text looks on a background with the Yxy color 34.8516, 0.2878, 0.2233.

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

34.8516, 0.2878, 0.2233

Protanopia

35.2706, 0.2310, 0.2185

Deuteranopia

35.2166, 0.2482, 0.2424



Tritanopia

34.9322, 0.3358, 0.3140

Trichromacy



Original Color

34.8516, 0.2878, 0.2233



Protanomaly

34.6411, 0.2483, 0.2195



Deuteranomaly

34.5113, 0.2612, 0.2340



Tritanomaly

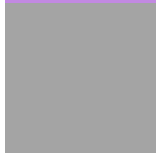
34.7519, 0.3181, 0.2779

Monochromacy



Original Color

34.8516, 0.2878, 0.2233



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.8130, 0.3034, 0.2844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8516, 0.2878, 0.2233 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(194, 137, 226)` looks like.

```
.text, #text, p{  
    color:rgb(194, 137, 226)  
}
```

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(194, 137, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 137, 226) }
```

Border

The CSS property to change the border of an element to Yxy 34.8516, 0.2878, 0.2233 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(194, 137, 226) }
```

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

```
.border{ border-color:rgb(194, 137, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 137, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 137, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 137, 226);  
box-shadow:4px 4px 4px 4px rgb(194, 137,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8516, 0.2878, 0.2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 137, 226) }
```

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

```
.background{ background-color: rgb(194,  
137, 226) }
```

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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