

Converting Colors

$Yxy(33.2647, 0.2786, 0.2294)$

Have a look what the booklet for
Yxy(33.2647, 0.2786, 0.2294)
contains.

Yxy(33.2178, 0.2782, 0.2294)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.2178, 0.2782, 0.2294)

Conversions

Conversions Part 1

Format	Color
Hex	B18CDB
RGB	177, 140, 219
RGB Percent	69%, 55%, 86%
CMY	0.3061, 0.4509, 0.1412
CMYK	0.19, 0.36, 0.00, 0.14
HSL	268°, 52%, 70%
HSV	268°, 36%, 86%
XYZ	40.2842, 33.2178, 71.3010
YIQ	160.0690, -3.3070, 32.4130

Conversions

Conversions Part 2

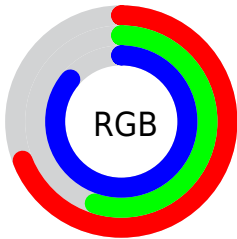
Format	Color
RYB	177, 140, 219
Decimal	11635931
CIELab	64.34, 29.30, -35.16
CIElCh	64, 45.772, 309.802
Yxy	33.2178, 0.2782, 0.2294
Android (android.graphics.Color)	4289826011 (0xFFB18CDB)
YUV	160.0690, 29.0530, 14.8485
Hunter-Lab	57.6349, 23.9024, -33.0041

Details

The Yxy color **33.2178, 0.2782, 0.2294** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.5092, 0.3378, 0.4276**, and the grayscale version is **35.0510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2960, 0.2999, 0.2664**, and **14.0360, 0.2660, 0.2024** is the 20% darker color. If you saturate the color by 10%, you get **26.1308, 0.2656, 0.1992**, and if you desaturate by 10%, it is **41.6981, 0.2895, 0.2592**.

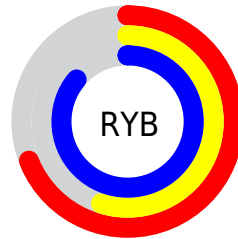
Distribution



Red (69%)

Green (55%)

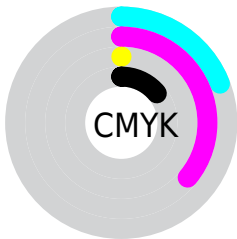
Blue (86%)



Red (69%)

Yellow (55%)

Blue (86%)

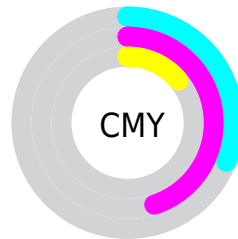


Cyan (19%)

Magenta (36%)

Yellow (0%)

Black (14%)



Cyan (31%)


Magenta (45%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2178, 0.2782, 0.2294 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 33.2178, 0.2782, 0.2294 by changing the saturation by 10% instead.


 33.2178, 0.2782,
0.2294


 33.2178, 0.2782,
0.2294


316.6300, 0.2971,
0.2780

 22.2933, 0.2731,
0.2178


 64.7154, 0.2854,
0.2467

 14.0726, 0.2662,
0.2034


 86.0574, 0.2880,
0.2533

 8.1712, 0.2569,
0.1848


 111.6406, 0.2902,
0.2589

 4.2047, 0.2433,
0.1604

141.8496, 0.2920,
0.2638

 1.7887, 0.2225,
0.1276

177.0686, 0.2936,
0.2680

 0.4801, 0.1898,
0.0749

217.6820, 0.2949,

 0.0000, 0.0557,

0.2717

0.0000

264.0744, 0.2961,
0.2750

0.0000, 0.0000,
0.0000

33.2178, 0.2782,
0.2294

33.2178, 0.2782,
0.2294

26.1308, 0.2656,
0.1992

41.6981, 0.2895,
0.2592

20.3543, 0.2521,
0.1697

51.6401, 0.2995,
0.2876

15.8025, 0.2381,
0.1425

63.1126, 0.3081,
0.3140

12.3774, 0.2242,
0.1192

76.1785, 0.3155,
0.3383

9.9652, 0.2111,
0.1010

90.8975, 0.3217,
0.3602

■ 8.4248, 0.1993,
0.0887

■ 96.3934, 0.3287,
0.3647

■ 7.9600, 0.1951,
0.0848

■ 97.8941, 0.3340,
0.3641

Harmonies

Analogous

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



33.2178, 0.2232, 0.2197



33.2178, 0.2782, 0.2294



33.2178, 0.3501, 0.2594

Triad

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



33.2178, 0.2782, 0.2294



33.2178, 0.4446, 0.4091



33.2178, 0.2150, 0.3438

Complementary

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



33.2178, 0.2782, 0.2294



62.5092, 0.3378, 0.4276

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.



33.2178, 0.2666, 0.4174



33.2178, 0.2782, 0.2294



33.2178, 0.3996, 0.4501

Square

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



33.2178, 0.2782, 0.2294



33.2178, 0.4531, 0.3566



33.2178, 0.3342, 0.4584



33.2178, 0.1901, 0.2758

Rectangle

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



33.2178, 0.2782, 0.2294



33.2178, 0.3973, 0.2880



33.2178, 0.3342, 0.4584



33.2178, 0.2295, 0.3695

Sweetspot

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



33.2191, 0.2782, 0.2294



80.6668, 0.3039, 0.3010



44.2071, 0.2555, 0.2798



16.7967, 0.3028, 0.2973



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.



33.2191, 0.2782, 0.2294



39.3946, 0.2691, 0.2073



38.5332, 0.3144, 0.2395



12.9140, 0.3054, 0.3053



4.7842, 0.1966, 0.0857



0.3609, 0.2148, 0.0957

Inverse Universe

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



37.2050, 0.3531, 0.2792



45.9655, 0.3647, 0.2691



58.3634, 0.3094, 0.4368



13.1669, 0.3209, 0.3166



9.7088, 0.4812, 0.2425



0.6463, 0.4480, 0.2242

Previews

White Background



This preview shows how the Yxy color 33.2178, 0.2782, 0.2294 looks on a white background.

Color Contrast Check

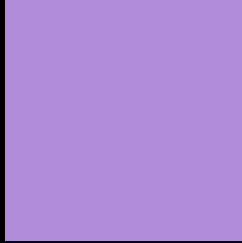
Large Text (above 18pt) WCAG AA × Fail

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 33.2178, 0.2782, 0.2294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

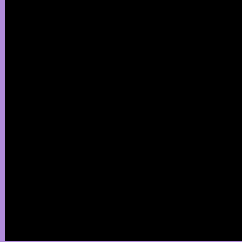
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2178, 0.2782, 0.2294

Background



This preview shows how black text looks on a background with the Yxy color 33.2178, 0.2782, 0.2294.



This preview shows how white text looks on a background with the Yxy color 33.2178, 0.2782, 0.2294.

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

33.2178, 0.2782, 0.2294

Protanopia

33.6497, 0.2373, 0.2268

Deuteranopia

33.3033, 0.2489, 0.2431



Tritanopia

32.9931, 0.3175, 0.3117

Trichromacy



Original Color

33.2178, 0.2782, 0.2294

Protanomaly

33.2818, 0.2506, 0.2273

Deuteranomaly

33.0840, 0.2588, 0.2376

Tritanomaly

32.9443, 0.3032, 0.2792

Monochromacy



Original Color

33.2178, 0.2782, 0.2294

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.2257, 0.3001, 0.2897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2178, 0.2782, 0.2294 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(177, 140, 219)` looks like.

```
.text, #text, p{  
    color:rgb(177, 140, 219)  
}
```

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(177, 140, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 140, 219) }
```

Border

The CSS property to change the border of an element to Yxy 33.2178, 0.2782, 0.2294 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(177, 140, 219) }
```

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

```
.border{ border-color:rgb(177, 140, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 140, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 140, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 140, 219);  
box-shadow:4px 4px 4px 4px rgb(177, 140,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2178, 0.2782, 0.2294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 140, 219) }
```

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

```
.background{ background-color: rgb(177,  
140, 219) }
```

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