

Converting Colors

$Y_{xy}(33.0252, 0.2675, 0.2200)$

Have a look what the booklet for
Yxy(33.0252, 0.2675, 0.2200)
contains.

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Color

Yxy(33.0729, 0.2679, 0.2201)

Conversions

Conversions Part 1

Format	Color
Hex	AC8CE3
RGB	172, 140, 227
RGB Percent	67%, 55%, 89%
CMY	0.3255, 0.4510, 0.1098
CMYK	0.24, 0.38, 0.00, 0.11
HSL	262°, 61%, 72%
HSV	262°, 38%, 89%
XYZ	40.2555, 33.0729, 76.9347
YIQ	159.4860, -8.8550, 33.8410

Conversions

Conversions Part 2

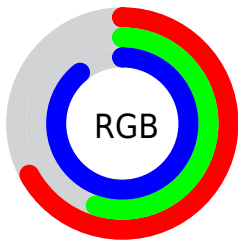
Format	Color
RYB	172, 140, 227
Decimal	11308259
CIELab	64.22, 29.72, -39.83
CIELCh	64, 49.690, 306.728
Yxy	33.0729, 0.2679, 0.2201
Android (android.graphics.Color)	4289498339 (0xFFAC8CE3)
YUV	159.4860, 33.2844, 10.9748
Hunter-Lab	57.5090, 24.3065, -39.0609

Details

The Yxy color **33.0729, 0.2679, 0.2201** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.4353, 0.3456, 0.4324**, and the grayscale version is **34.7534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4616, 0.2963, 0.2657**, and **13.9366, 0.2534, 0.1920** is the 20% darker color. If you saturate the color by 10%, you get **25.5731, 0.2528, 0.1885**, and if you desaturate by 10%, it is **42.1190, 0.2818, 0.2512**.

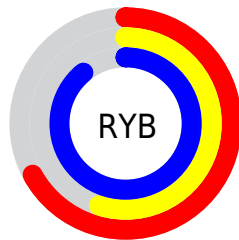
Distribution



Red (67%)

Green (55%)

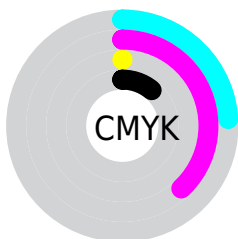
Blue (89%)



Red (67%)

Yellow (55%)

Blue (89%)

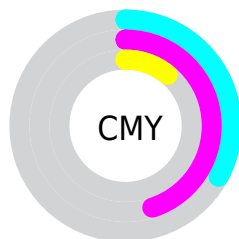


Cyan (24%)

Magenta (38%)

Yellow (0%)

Black (11%)



Cyan (33%)


Magenta (45%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0729, 0.2679, 0.2201 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 33.0729, 0.2679, 0.2201 by changing the saturation by 10% instead.


 33.0729, 0.2679,
0.2201


 33.0729, 0.2679,
0.2201


315.9781, 0.2921,
0.2728


 22.1823, 0.2615,
0.2077


 64.4893, 0.2770,
0.2387

 13.9909, 0.2530,
0.1923


 85.7839, 0.2803,
0.2459

 8.1143, 0.2416,
0.1728


 111.3153, 0.2831,
0.2520

 4.1682, 0.2255,
0.1476

141.4679, 0.2855,
0.2573

 1.7681, 0.2014,
0.1144

176.6261, 0.2875,
0.2619

 0.4672, 0.1651,
0.0635

217.1743, 0.2892,

 0.0000, 0.0434,

0.2660

0.0000

263.4968, 0.2907,
0.2696

0.0000, 0.0000,
0.0000

33.0729, 0.2679,
0.2201

33.0729, 0.2679,
0.2201

25.5731, 0.2528,
0.1885

42.1190, 0.2818,
0.2512

19.5254, 0.2368,
0.1578

52.7902, 0.2941,
0.2807

14.8310, 0.2207,
0.1298

65.1647, 0.3049,
0.3081

11.3769, 0.2054,
0.1063

79.3142, 0.3142,
0.3330

9.0302, 0.1915,
0.0886

95.3064, 0.3221,
0.3554

■ 7.6015, 0.1800,
0.0771

■ 98.3261, 0.3292,
0.3562

■ 7.4068, 0.1782,
0.0755

Harmonies

Analogous

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



33.0729, 0.2118, 0.2119



33.0729, 0.2679, 0.2201



33.0729, 0.3447, 0.2500

Triad

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



33.0729, 0.2679, 0.2201



33.0729, 0.4580, 0.4083



33.0729, 0.2115, 0.3532

Complementary

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



33.0729, 0.2679, 0.2201



68.4353, 0.3456, 0.4324

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.



33.0729, 0.2691, 0.4330



33.0729, 0.2679, 0.2201



33.0729, 0.4119, 0.4560

Square

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



33.0729, 0.2679, 0.2201



33.0729, 0.4633, 0.3515



33.0729, 0.3426, 0.4719



33.0729, 0.1824, 0.2770

Rectangle

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



33.0729, 0.2679, 0.2201



33.0729, 0.3971, 0.2795



33.0729, 0.3426, 0.4719



33.0729, 0.2279, 0.3816

Sweetspot

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



33.0742, 0.2679, 0.2201



80.1810, 0.3021, 0.3008



50.1981, 0.2535, 0.2878



16.6812, 0.3007, 0.2971



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.



33.0742, 0.2679, 0.2201



35.1149, 0.2559, 0.1949



38.8118, 0.3065, 0.2315



14.1439, 0.3037, 0.3051



4.3803, 0.1797, 0.0763



0.3750, 0.1960, 0.0853

Inverse Universe

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



39.0293, 0.3477, 0.2666



44.0976, 0.3578, 0.2539



63.4693, 0.3147, 0.4431



14.5206, 0.3194, 0.3142



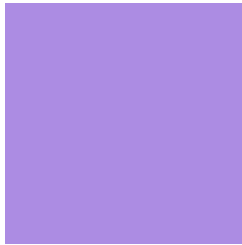
10.7133, 0.4406, 0.2201



0.8094, 0.4185, 0.2079

Previews

White Background



This preview shows how the Yxy color 33.0729, 0.2679, 0.2201 looks on a white background.

Color Contrast Check

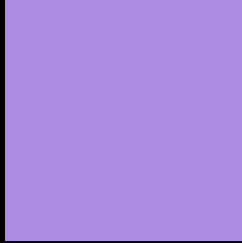
Large Text (above 18pt) WCAG AA × Fail

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 33.0729, 0.2679, 0.2201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

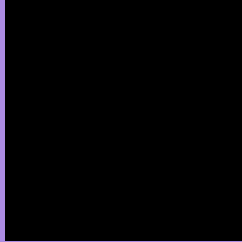
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0729, 0.2679, 0.2201

Background



This preview shows how black text looks on a background with the Yxy color 33.0729, 0.2679, 0.2201.



This preview shows how white text looks on a background with the Yxy color 33.0729, 0.2679, 0.2201.

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

33.0729, 0.2679, 0.2201

Protanopia

33.3911, 0.2296, 0.2164

Deuteranopia

33.1601, 0.2393, 0.2329



Tritanopia

33.0761, 0.3096, 0.3114

Trichromacy



Original Color

33.0729, 0.2679, 0.2201

Protanomaly

32.9600, 0.2419, 0.2168

Deuteranomaly

32.9509, 0.2490, 0.2278

Tritanomaly

32.8100, 0.2931, 0.2733

Monochromacy



Original Color

33.0729, 0.2679, 0.2201

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.8097, 0.2957, 0.2841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0729, 0.2679, 0.2201 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(172, 140, 227)` looks like.

```
.text, #text, p{  
    color:rgb(172, 140, 227)  
}
```

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(172, 140, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 140, 227) }
```

Border

The CSS property to change the border of an element to Yxy 33.0729, 0.2679, 0.2201 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(172, 140, 227) }
```

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

```
.border{ border-color:rgb(172, 140, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 140, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 140, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 140, 227);  
box-shadow:4px 4px 4px 4px rgb(172, 140,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0729, 0.2679, 0.2201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 140, 227) }
```

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

```
.background{ background-color: rgb(172,  
140, 227) }
```

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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