

Converting Colors

$Y_{xy}(33.0614, 0.2803, 0.2296)$

Have a look what the booklet for
Yxy(33.0614, 0.2803, 0.2296)
contains.

Yxy(32.9922, 0.2799, 0.2294)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.9922, 0.2799, 0.2294)

Conversions

Conversions Part 1

Format	Color
Hex	B28BDA
RGB	178, 139, 218
RGB Percent	70%, 55%, 85%
CMY	0.3018, 0.4550, 0.1451
CMYK	0.18, 0.36, 0.00, 0.15
HSL	270°, 52%, 70%
HSV	270°, 36%, 85%
XYZ	40.2551, 32.9922, 70.5722
YIQ	159.6670, -2.1150, 32.8370

Conversions

Conversions Part 2

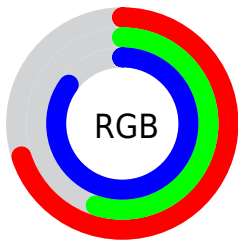
Format	Color
R_{YB}	178, 139, 218
Decimal	11701210
CIE _{Lab}	64.15, 30.00, -34.89
CIE _{LCh}	64, 46.008, 310.690
Yxy	32.9922, 0.2799, 0.2294
Android (android.graphics.Color)	4289891290 (0xFFB28BDA)
YUV	159.6670, 28.7582, 16.0780
Hunter-Lab	57.4388, 24.5809, -32.6395

Details

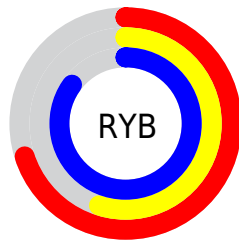
The Yxy color **32.9922, 0.2799, 0.2294** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.5794, 0.3363, 0.4287**, and the grayscale version is **34.8610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0221, 0.3007, 0.2655**, and **13.9089, 0.2681, 0.2025** is the 20% darker color. If you saturate the color by 10%, you get **26.0462, 0.2680, 0.1995**, and if you desaturate by 10%, it is **41.3042, 0.2906, 0.2589**.

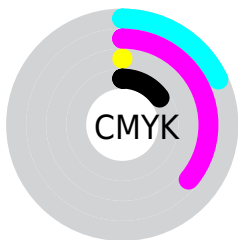
Distribution



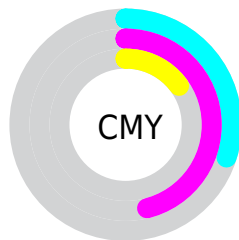
- Red (70%)
- Green (55%)
- Blue (85%)



- Red (70%)
- Yellow (55%)
- Blue (85%)



- Cyan (18%)
- Magenta (36%)
- Yellow (0%)
- Black (15%)



- Cyan (30%)
- Magenta (46%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9922, 0.2799, 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 32.9922, 0.2799, 0.2294 by changing the saturation by 10% instead.


 32.9922, 0.2799,
0.2294


 32.9922, 0.2799,
0.2294


315.6146, 0.2980,
0.2780


 22.1205, 0.2749,
0.2178

 64.3634, 0.2868,
0.2467

 13.9454, 0.2684,
0.2033


 85.6316, 0.2893,
0.2533

 8.0827, 0.2593,
0.1847


 111.1341, 0.2914,
0.2589

 4.1479, 0.2461,
0.1603

141.2552, 0.2931,
0.2638

 1.7567, 0.2257,
0.1274

176.3795, 0.2946,
0.2680

 0.4599, 0.1936,
0.0734

216.8912, 0.2959,

 0.0000, 0.0565,

0.2718

0.0000

263.1748, 0.2970,
0.2751

0.0000, 0.0000,
0.0000

32.9922, 0.2799,
0.2294

32.9922, 0.2799,
0.2294

26.0462, 0.2680,
0.1995

41.3042, 0.2906,
0.2589

20.3845, 0.2551,
0.1705

51.0495, 0.3001,
0.2872

15.9227, 0.2417,
0.1439


62.2958, 0.3082,
0.3136

12.5641, 0.2284,
0.1211


75.1051, 0.3152,
0.3379

10.1964, 0.2157,
0.1034

89.5360, 0.3210,
0.3599

 8.6790, 0.2042,
0.0913

 95.8466, 0.3275,
0.3659

 8.2362, 0.2002,
0.0876

 97.8417, 0.3346,
0.3651

Harmonies

Analogous

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



32.9922, 0.2239, 0.2189



32.9922, 0.2799, 0.2294



32.9922, 0.3526, 0.2601

Triad

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



32.9922, 0.2799, 0.2294



32.9922, 0.4446, 0.4110



32.9922, 0.2132, 0.3416

Complementary

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



32.9922, 0.2799, 0.2294



61.5794, 0.3363, 0.4287

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.



32.9922, 0.2644, 0.4162



32.9922, 0.2799, 0.2294



32.9922, 0.3984, 0.4518

Square

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



32.9922, 0.2799, 0.2294



32.9922, 0.4545, 0.3583



32.9922, 0.3322, 0.4590



32.9922, 0.1890, 0.2737

Rectangle

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



32.9922, 0.2799, 0.2294



32.9922, 0.3998, 0.2891



32.9922, 0.3322, 0.4590



32.9922, 0.2275, 0.3675

Sweetspot

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



32.9935, 0.2799, 0.2294



80.7997, 0.3045, 0.3010



43.1141, 0.2549, 0.2777



16.8283, 0.3033, 0.2974



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.



32.9935, 0.2799, 0.2294



39.7973, 0.2715, 0.2081



38.2252, 0.3157, 0.2394



12.9317, 0.3058, 0.3054



4.9984, 0.2017, 0.0885



0.3750, 0.2195, 0.0983

Inverse Universe

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



36.6176, 0.3556, 0.2814



45.8249, 0.3676, 0.2720



57.6057, 0.3085, 0.4377



13.1608, 0.3213, 0.3172



9.6290, 0.4926, 0.2487



0.6412, 0.4571, 0.2292

Previews

White Background



This preview shows how the Yxy color 32.9922, 0.2799, 0.2294 looks on a white background.

Color Contrast Check

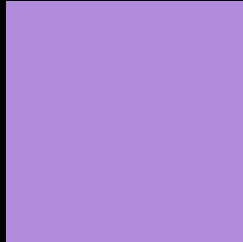
Large Text (above 18pt) WCAG AA × Fail

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 32.9922, 0.2799, 0.2294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

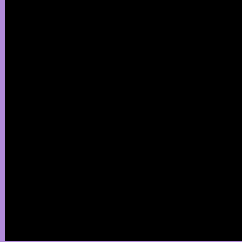
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9922, 0.2799, 0.2294

Background



This preview shows how black text looks on a background with the Yxy color 32.9922, 0.2799, 0.2294.



This preview shows how white text looks on a background with the Yxy color 32.9922, 0.2799, 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

32.9922, 0.2799, 0.2294

Protanopia

33.1854, 0.2369, 0.2263

Deuteranopia

33.2517, 0.2495, 0.2442



Tritanopia

32.8563, 0.3206, 0.3118

Trichromacy



Original Color

32.9922, 0.2799, 0.2294

Protanomaly

32.8191, 0.2503, 0.2268

Deuteranomaly

33.0321, 0.2595, 0.2387

Tritanomaly

32.7058, 0.3051, 0.2792

Monochromacy



Original Color

32.9922, 0.2799, 0.2294

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.0082, 0.3011, 0.2884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9922, 0.2799, 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(178, 139, 218)` looks like.

```
.text, #text, p{  
    color:rgb(178, 139, 218)  
}
```

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(178, 139, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 139, 218) }
```

Border

The CSS property to change the border of an element to Yxy 32.9922, 0.2799, 0.2294 is called "border". The border property can be set on classes, ids or directly on the HTML element.

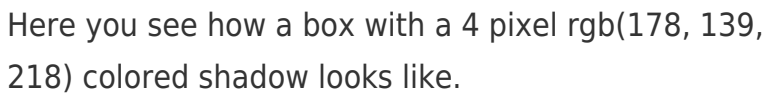
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 139, 218) }
```

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

```
.border{ border-color:rgb(178, 139, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 139, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 139, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 139, 218); box-shadow:4px 4px 4px 4px rgb(178, 139, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9922, 0.2799, 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(178, 139, 218) }
```

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

```
.background{ background-color: rgb(178,  
139, 218) }
```

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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