

Converting Colors

$Y_{xy}(32.8650, 0.2813, 0.1981)$

Have a look what the booklet for
Yxy(32.8650, 0.2813, 0.1981)
contains.

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Color

Yxy(32.9859, 0.2815, 0.1986)

Conversions

Conversions Part 1

Format	Color
Hex	C87CF0
RGB	200, 124, 240
RGB Percent	78%, 49%, 94%
CMY	0.2157, 0.5137, 0.0588
CMYK	0.17, 0.48, 0.00, 0.06
HSL	279°, 79%, 71%
HSV	279°, 48%, 94%
XYZ	46.7549, 32.9859, 86.3513
YIQ	159.9480, 8.0600, 52.1880

Conversions

Conversions Part 2

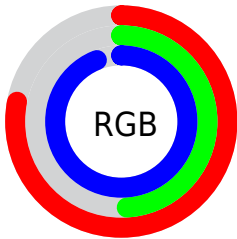
Format	Color
R _Y B	200, 124, 240
Decimal	13139184
CIE Lab	64.15, 49.23, -46.94
CIE LCh	64, 68.018, 316.365
Yxy	32.9859, 0.2815, 0.1986
Android (android.graphics.Color)	4291329264 (0xFFC87CF0)
YUV	159.9480, 39.4656, 35.1256
Hunter-Lab	57.4334, 44.8037, -48.9394

Details

The Yxy color **32.9859, 0.2815, 0.1986** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **71.6794, 0.3296, 0.4714**, and the grayscale version is **34.9417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3208, 0.3163, 0.2536**, and **13.9829, 0.2706, 0.1691** is the 20% darker color. If you saturate the color by 10%, you get **26.5763, 0.2726, 0.1727**, and if you desaturate by 10%, it is **40.9237, 0.2897, 0.2262**.

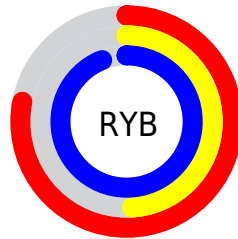
Distribution



Red (78%)

Green (49%)

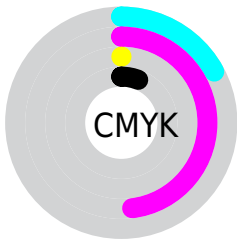
Blue (94%)



Red (78%)

Yellow (49%)

Blue (94%)

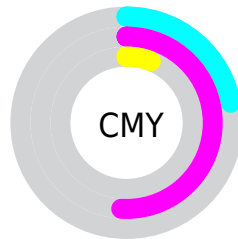


Cyan (17%)

Magenta (48%)

Yellow (0%)

Black (6%)



Cyan (22%)


Magenta (51%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9859, 0.2815, 0.1986 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 32.9859, 0.2815, 0.1986 by changing the saturation by 10% instead.


 32.9859, 0.2815,
0.1986


 32.9859, 0.2815,
0.1986


315.5862, 0.2996,
0.2594


 22.1156, 0.2764,
0.1850


 64.3535, 0.2886,
0.2196

 13.9419, 0.2696,
0.1684


 85.6197, 0.2911,
0.2278

 8.0803, 0.2603,
0.1480


 111.1199, 0.2932,
0.2349

 4.1464, 0.2469,
0.1226

141.2386, 0.2949,
0.2411

 1.7558, 0.2266,
0.0910

176.3602, 0.2964,
0.2465

 0.4594, 0.1957,
0.0469

216.8691, 0.2976,

 0.0000, 0.1386,

0.2513

0.0000

263.1496, 0.2987,
0.2556

■ 0.0000, 0.0000,
0.0000

■ 32.9859, 0.2815,
0.1986

■ 32.9859, 0.2815,
0.1986

■ 26.5763, 0.2726,
0.1727

■ 40.9237, 0.2897,
0.2262

■ 21.5818, 0.2633,
0.1497

■ 50.4838, 0.2970,
0.2543

■ 17.8798, 0.2538,
0.1309

■ 61.7573, 0.3034,
0.2819

■ 15.3242, 0.2445,
0.1169

■ 74.8273, 0.3088,
0.3083

■ 13.7082, 0.2358,
0.1078

■ 89.7714, 0.3134,
0.3330

■ 13.4816, 0.2343,
0.1065

■ 98.0759, 0.3181,
0.3436

■ 99.0721, 0.3214,
0.3434

Harmonies

Analogous

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



32.9859, 0.1998, 0.1788



32.9859, 0.2815, 0.1986



32.9859, 0.3900, 0.2427

Triad

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



32.9859, 0.2815, 0.1986



32.9859, 0.4854, 0.4457



32.9859, 0.1628, 0.3211

Complementary

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



32.9859, 0.2815, 0.1986



71.6794, 0.3296, 0.4714

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.



32.9859, 0.2229, 0.4435



32.9859, 0.2815, 0.1986



32.9859, 0.4084, 0.5100

Square

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



32.9859, 0.2815, 0.1986



32.9859, 0.5191, 0.3727



32.9859, 0.3133, 0.5228



32.9859, 0.1417, 0.2310

Rectangle

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



32.9859, 0.2815, 0.1986



32.9859, 0.4583, 0.2821



32.9859, 0.3133, 0.5228



32.9859, 0.1785, 0.3608

Sweetspot

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



32.9873, 0.2815, 0.1986



75.5595, 0.3053, 0.2907



37.3470, 0.2304, 0.2299



15.5204, 0.3041, 0.2850



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.



32.9873, 0.2815, 0.1986



30.5903, 0.2727, 0.1730



38.2514, 0.3346, 0.2269



15.7426, 0.3083, 0.3053



7.4556, 0.2357, 0.1072



0.6751, 0.2470, 0.1134

Inverse Universe

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



35.6259, 0.3993, 0.2853



34.2691, 0.4277, 0.2782



68.5493, 0.2972, 0.4597



15.8489, 0.3239, 0.3209



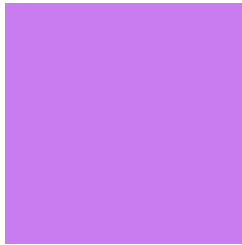
10.5037, 0.5595, 0.2856



0.8919, 0.5229, 0.2654

Previews

White Background



This preview shows how the Yxy color 32.9859, 0.2815, 0.1986 looks on a white background.

Color Contrast Check

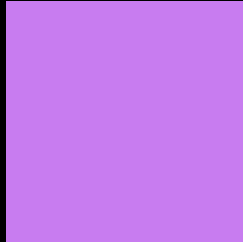
Large Text (above 18pt) WCAG AA × Fail

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 32.9859, 0.2815, 0.1986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

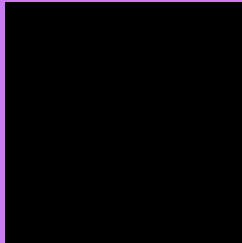
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9859, 0.2815, 0.1986

Background



This preview shows how black text looks on a background with the Yxy color 32.9859, 0.2815, 0.1986.

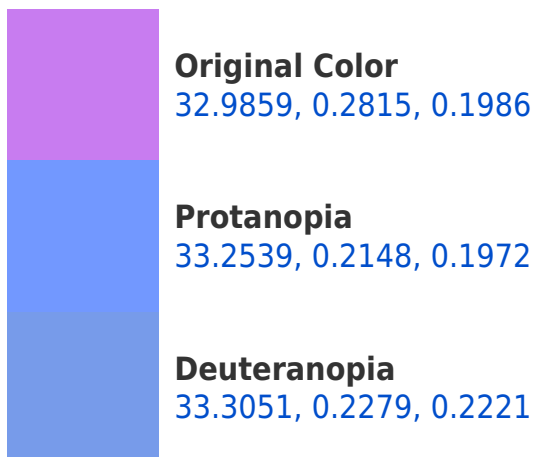


This preview shows how white text looks on a background with the Yxy color 32.9859, 0.2815, 0.1986.

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





Tritanopia

32.8779, 0.3475, 0.3140

Trichromacy



Original Color

32.9859, 0.2815, 0.1986



Protanomaly

32.2679, 0.2333, 0.1950



Deuteranomaly

32.2985, 0.2436, 0.2108



Tritanomaly

32.6430, 0.3219, 0.2657

Monochromacy



Original Color

32.9859, 0.2815, 0.1986



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.6555, 0.3017, 0.2722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9859, 0.2815, 0.1986 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(200, 124, 240)` looks like.

```
.text, #text, p{  
    color:rgb(200, 124, 240)  
}
```

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(200, 124, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 124, 240) }
```

Border

The CSS property to change the border of an element to Yxy 32.9859, 0.2815, 0.1986 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(200, 124, 240) }
```

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

```
.border{ border-color:rgb(200, 124, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 124, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 124, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 124, 240);  
box-shadow:4px 4px 4px 4px rgb(200, 124,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9859, 0.2815, 0.1986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 124, 240) }
```

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

```
.background{ background-color: rgb(200,  
124, 240) }
```

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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