

Converting Colors

$Y_{xy}(32.6634, 0.2988, 0.2239)$

Have a look what the booklet for
Yxy(32.6634, 0.2988, 0.2239)
contains.

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Color

Yxy(32.7160, 0.2990, 0.2240)

Conversions

Conversions Part 1

Format	Color
Hex	C681D9
RGB	198, 129, 217
RGB Percent	78%, 51%, 85%
CMY	0.2234, 0.4942, 0.1490
CMYK	0.09, 0.41, 0.00, 0.15
HSL	287°, 54%, 68%
HSV	287°, 41%, 85%
XYZ	43.6700, 32.7160, 69.6676
YIQ	159.6630, 12.8760, 41.9960

Conversions

Conversions Part 2

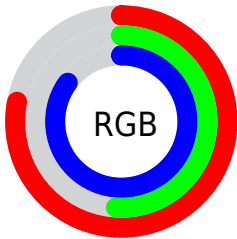
Format	Color
RYB	198, 129, 217
Decimal	13009369
CIELab	63.93, 41.29, -34.53
CIElCh	64, 53.828, 320.098
Yxy	32.7160, 0.2990, 0.2240
Android (android.graphics.Color)	4291199449 (0xFFC681D9)
YUV	159.6630, 28.2671, 33.6215
Hunter-Lab	57.1979, 36.1866, -32.1772

Details

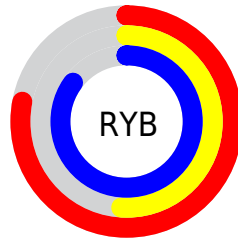
The Yxy color **32.7160, 0.2990, 0.2240** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **57.5106, 0.3197, 0.4486**, and the grayscale version is **34.8548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **13.8971, 0.2929, 0.1978** is the 20% darker color. If you saturate the color by 10%, you get **26.9690, 0.2942, 0.1989**, and if you desaturate by 10%, it is **39.6994, 0.3033, 0.2504**.

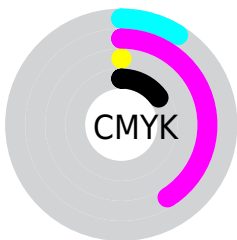
Distribution



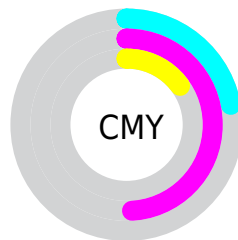
- Red (78%)
- Green (51%)
- Blue (85%)



- Red (78%)
- Yellow (51%)
- Blue (85%)



- Cyan (9%)
- Magenta (41%)
- Yellow (0%)
- Black (15%)





- Cyan (22%)
- Magenta (49%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7160, 0.2990, 0.2240 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 32.7160, 0.2990, 0.2240 by changing the saturation by 10% instead.

 32.7160, 0.2990,
0.2240


 32.7160, 0.2990,
0.2240


314.3681, 0.3077,
0.2746


 21.9090, 0.2963,
0.2121


 63.9319, 0.3026,
0.2419

 13.7900, 0.2926,
0.1973


 85.1095, 0.3038,
0.2487

 7.9748, 0.2872,
0.1784


 110.5128, 0.3048,
0.2546

 4.0788, 0.2788,
0.1539

140.5262, 0.3056,
0.2597

 1.7177, 0.2650,
0.1212

175.5340, 0.3062,
0.2641

 0.4351, 0.2426,
0.0675

215.9206, 0.3068,


 0.0000, 0.1645,


0.2681


0.0000


262.0705, 0.3073,
0.2715


 0.0000, 0.0000,
0.0000


 32.7160, 0.2990,
0.2240


 32.7160, 0.2990,
0.2240


 26.9690, 0.2942,
0.1989


 39.6994, 0.3033,
0.2504

 22.3764, 0.2889,
0.1760


 47.9858, 0.3070,
0.2769


 18.8530, 0.2832,
0.1565

 57.6422, 0.3101,
0.3029

 16.2998, 0.2774,
0.1412

 68.7296, 0.3126,
0.3277

 14.5988, 0.2716,
0.1305

 81.3053, 0.3146,
0.3509

■ 13.5800, 0.2663,
0.1241

■ 92.7171, 0.3165,
0.3683

■ 93.4847, 0.3195,
0.3679

■ 94.2730, 0.3225,
0.3676

■ 95.0823, 0.3255,
0.3672

Harmonies

Analogous

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



32.7160, 0.2273, 0.2044



32.7160, 0.2990, 0.2240



32.7160, 0.3860, 0.2643

Triad

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



32.7160, 0.2990, 0.2240



32.7160, 0.4508, 0.4381



32.7160, 0.1857, 0.3145

Complementary

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



32.7160, 0.2990, 0.2240



57.5106, 0.3197, 0.4486

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.



32.7160, 0.2341, 0.4066



32.7160, 0.2990, 0.2240



32.7160, 0.3869, 0.4803

Square

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



32.7160, 0.2990, 0.2240



32.7160, 0.4795, 0.3788



32.7160, 0.3077, 0.4748



32.7160, 0.1696, 0.2449

Rectangle

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



32.7160, 0.2990, 0.2240



32.7160, 0.4371, 0.2994



32.7160, 0.3077, 0.4748



32.7160, 0.1983, 0.3443

Sweetspot

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



32.7174, 0.2990, 0.2240



80.7763, 0.3096, 0.2989



30.8752, 0.2420, 0.2322



16.8809, 0.3092, 0.2955



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.



32.7174, 0.2990, 0.2240



39.7011, 0.2947, 0.2016



34.2600, 0.3423, 0.2550



13.1258, 0.3104, 0.3057



8.2671, 0.2671, 0.1245



0.5716, 0.2763, 0.1296

Inverse Universe

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



32.5882, 0.3926, 0.3060



39.6728, 0.4202, 0.3014



56.6296, 0.2925, 0.4173



13.0973, 0.3258, 0.3240



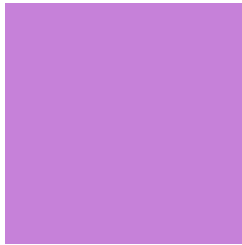
9.0660, 0.6022, 0.3091



0.6002, 0.5563, 0.2838

Previews

White Background



This preview shows how the Yxy color 32.7160, 0.2990, 0.2240 looks on a white background.

Color Contrast Check

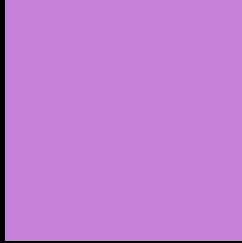
Large Text (above 18pt) WCAG AA × Fail

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 32.7160, 0.2990, 0.2240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

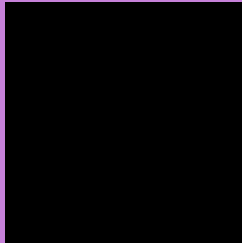
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7160, 0.2990, 0.2240

Background



This preview shows how black text looks on a background with the Yxy color 32.7160, 0.2990, 0.2240.



This preview shows how white text looks on a background with the Yxy color 32.7160, 0.2990, 0.2240.

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

32.7160, 0.2990, 0.2240

Protanopia

32.9482, 0.2304, 0.2171

Deuteranopia

32.9392, 0.2527, 0.2466



Tritanopia

32.7968, 0.3509, 0.3141

Trichromacy



Original Color

32.7160, 0.2990, 0.2240



Protanomaly

32.2791, 0.2509, 0.2185



Deuteranomaly

32.2751, 0.2676, 0.2359



Tritanomaly

32.5578, 0.3309, 0.2779

Monochromacy



Original Color

32.7160, 0.2990, 0.2240



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.8298, 0.3079, 0.2850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7160, 0.2990, 0.2240 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(198, 129, 217)` looks like.

```
.text, #text, p{  
    color:rgb(198, 129, 217)  
}
```

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(198, 129, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 129, 217) }
```

Border

The CSS property to change the border of an element to Yxy 32.7160, 0.2990, 0.2240 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(198, 129, 217) }
```

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

```
.border{ border-color:rgb(198, 129, 217) }
```

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

Here you see how a box with a 4 pixel rgb(198, 129, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 129, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 129, 217);  
box-shadow:4px 4px 4px 4px rgb(198, 129,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7160, 0.2990, 0.2240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 129, 217) }
```

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

```
.background{ background-color: rgb(198,  
129, 217) }
```

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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