

Converting Colors

$Y_{xy}(32.8017, 0.3178, 0.2483)$

Have a look what the booklet for
Yxy(32.8017, 0.3178, 0.2483)
contains.

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Color

Yxy(32.7219, 0.3176, 0.2474)

Conversions

Conversions Part 1

Format	Color
Hex	C784C6
RGB	199, 132, 198
RGB Percent	78%, 52%, 78%
CMY	0.2194, 0.4824, 0.2235
CMYK	0.00, 0.34, 0.01, 0.22
HSL	301°, 37%, 65%
HSV	301°, 34%, 78%
XYZ	42.0068, 32.7219, 57.5345
YIQ	159.5570, 18.7460, 34.7300

Conversions

Conversions Part 2

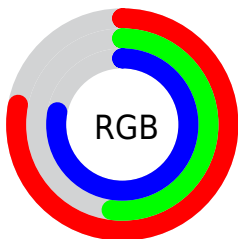
Format	Color
R _Y B	199, 132, 198
Decimal	13075654
CIE _{Lab}	63.94, 36.31, -23.87
CIE _{LCh}	64, 43.455, 326.678
Y _{xy}	32.7219, 0.3176, 0.2474
Android (android.graphics.Color)	4291265734 (0xFFC784C6)
Y _{UV}	159.5570, 18.9524, 34.5915
Hunter-Lab	57.2031, 30.9752, -19.5914

Details

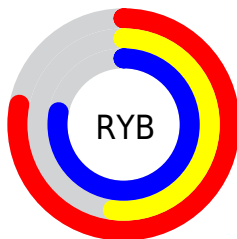
The Yxy color **32.7219, 0.3176, 0.2474** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.4647, 0.3074, 0.4268**, and the grayscale version is **34.8454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5978, 0.3159, 0.2614**, and **13.8278, 0.3176, 0.2255** is the 20% darker color. If you saturate the color by 10%, you get **27.8171, 0.3191, 0.2246**, and if you desaturate by 10%, it is **38.6594, 0.3161, 0.2715**.

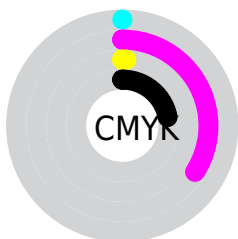
Distribution



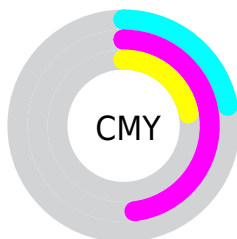
- Red (78%)
- Green (52%)
- Blue (78%)



- Red (78%)
- Yellow (52%)
- Blue (78%)



- Cyan (0%)
- Magenta (34%)
- Yellow (1%)
- Black (22%)





- Cyan (22%)
- Magenta (48%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7219, 0.3176, 0.2474 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 32.7219, 0.3176, 0.2474 by changing the saturation by 10% instead.


 32.7219, 0.3176,
0.2474


 32.7219, 0.3176,
0.2474


314.3947, 0.3161,
0.2877


 21.9135, 0.3176,
0.2376


 63.9411, 0.3173,
0.2619

 13.7933, 0.3175,
0.2252


 85.1207, 0.3171,
0.2674

 7.9771, 0.3170,
0.2089

 110.5261, 0.3169,
0.2720

 4.0803, 0.3156,
0.1870

140.5418, 0.3168,
0.2760

 1.7186, 0.3122,
0.1561

175.5521, 0.3166,
0.2795

 0.4356, 0.3077,
0.0965

215.9414, 0.3164,


 0.0000, 0.2093,


0.2826


0.0000


262.0942, 0.3163,
0.2853


 0.0000, 0.0000,
0.0000

 32.7219, 0.3176,
0.2474


 32.7219, 0.3176,
0.2474

 27.8171, 0.3191,
0.2246


 38.6594, 0.3161,
0.2715


 23.8819, 0.3205,
0.2039


 45.6794, 0.3146,
0.2961

 20.8531, 0.3218,
0.1864


 53.8336, 0.3132,
0.3203


 18.6581, 0.3229,
0.1728


 63.1693, 0.3119,
0.3436

 17.2134, 0.3238,
0.1634


 73.7308, 0.3107,
0.3656


 16.4181, 0.3245,
0.1581

 85.5605, 0.3095,
0.3861

 16.1327, 0.3248,
0.1563

 87.8454, 0.3092,
0.3893

 87.8598, 0.3090,
0.3890

 87.8742, 0.3089,
0.3886

Harmonies

Analogous

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



32.7219, 0.2540, 0.2266



32.7219, 0.3176, 0.2474



32.7219, 0.3869, 0.2852

Triad

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



32.7219, 0.3176, 0.2474



32.7219, 0.4184, 0.4307



32.7219, 0.2022, 0.3045

Complementary

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



32.7219, 0.3176, 0.2474



47.4647, 0.3074, 0.4268

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.



32.7219, 0.2382, 0.3752



32.7219, 0.3176, 0.2474



32.7219, 0.3625, 0.4542

Square

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



32.7219, 0.3176, 0.2474



32.7219, 0.4474, 0.3850



32.7219, 0.2964, 0.4356



32.7219, 0.1934, 0.2524

Rectangle

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



32.7219, 0.3176, 0.2474



32.7219, 0.4238, 0.3167



32.7219, 0.2964, 0.4356



32.7219, 0.2112, 0.3270

Sweetspot

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



32.7233, 0.3176, 0.2474



84.7705, 0.3141, 0.3047



25.5272, 0.2527, 0.2297



17.7223, 0.3143, 0.3013



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.



32.7233, 0.3176, 0.2474



51.1618, 0.3186, 0.2315



31.3809, 0.3517, 0.2856



10.8137, 0.3140, 0.3066



10.3699, 0.3248, 0.1563



0.4919, 0.3239, 0.1558

Inverse Universe

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



32.7233, 0.3176, 0.2474



51.1618, 0.3186, 0.2315



48.5062, 0.2861, 0.3773



10.8137, 0.3140, 0.3066



10.3699, 0.3248, 0.1563



0.4919, 0.3239, 0.1558

Previews

White Background



This preview shows how the Yxy color 32.7219, 0.3176, 0.2474 looks on a white background.

Color Contrast Check

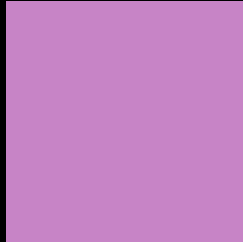
Large Text (above 18pt) WCAG AA × Fail

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 32.7219, 0.3176, 0.2474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

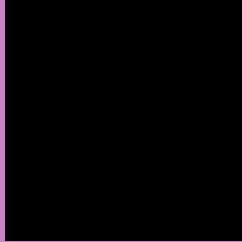
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7219, 0.3176, 0.2474

Background



This preview shows how black text looks on a background with the Yxy color 32.7219, 0.3176, 0.2474.



This preview shows how white text looks on a background with the Yxy color 32.7219, 0.3176, 0.2474.

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

32.7219, 0.3176, 0.2474

Protanopia

32.9559, 0.2507, 0.2441

Deuteranopia

32.8355, 0.2750, 0.2692



Tritanopia

32.6542, 0.3579, 0.3143

Trichromacy



Original Color

32.7219, 0.3176, 0.2474

Protanomaly

32.2784, 0.2722, 0.2440

Deuteranomaly

32.5158, 0.2898, 0.2609

Tritanomaly

32.6436, 0.3424, 0.2884

Monochromacy



Original Color

32.7219, 0.3176, 0.2474

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

33.8674, 0.3143, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7219, 0.3176, 0.2474 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(199, 132, 198)` looks like.

```
.text, #text, p{  
    color:rgb(199, 132, 198)  
}
```

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(199, 132, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 132, 198) }
```

Border

The CSS property to change the border of an element to Yxy 32.7219, 0.3176, 0.2474 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(199, 132, 198) }
```

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

```
.border{ border-color:rgb(199, 132, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 132, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 132, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 132, 198);  
box-shadow:4px 4px 4px 4px rgb(199, 132,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7219, 0.3176, 0.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 132, 198) }
```

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

```
.background{ background-color: rgb(199,  
132, 198) }
```

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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