

Converting Colors

$Y_{xy}(32.8121, 0.3029, 0.2414)$

Have a look what the booklet for
Yxy(32.8121, 0.3029, 0.2414)
contains.

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Color

Yxy(32.8121, 0.3029, 0.2414)

Conversions

Conversions Part 1

Format	Color
Hex	BF87CD
RGB	191, 135, 205
RGB Percent	75%, 53%, 80%
CMY	0.2510, 0.4706, 0.1960
CMYK	0.07, 0.34, 0.00, 0.20
HSL	288°, 41%, 67%
HSV	288°, 34%, 80%
XYZ	41.1714, 32.8121, 61.9407
YIQ	159.7240, 10.9060, 33.6420

Conversions

Conversions Part 2

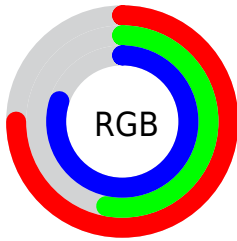
Format	Color
RYB	191, 135, 205
Decimal	12552141
CIELab	64.01, 33.45, -27.77
CIELCh	64, 43.478, 320.301
Yxy	32.8121, 0.3029, 0.2414
Android (android.graphics.Color)	4290742221 (0xFFBF87CD)
YUV	159.7240, 22.3211, 27.4291
Hunter-Lab	57.2818, 28.0540, -24.0148

Details

The Yxy color **32.8121, 0.3029, 0.2414** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.8201, 0.3183, 0.4271**, and the grayscale version is **34.9129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5717, 0.3104, 0.2633**, and **13.8093, 0.2970, 0.2169** is the 20% darker color. If you saturate the color by 10%, you get **27.1072, 0.2988, 0.2156**, and if you desaturate by 10%, it is **39.6364, 0.3064, 0.2677**.

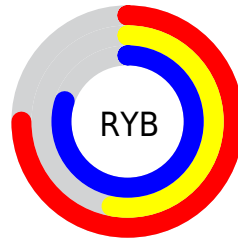
Distribution



Red (75%)

Green (53%)

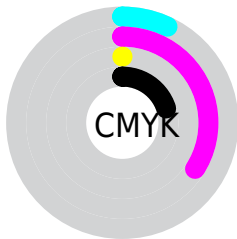
Blue (80%)



Red (75%)

Yellow (53%)

Blue (80%)

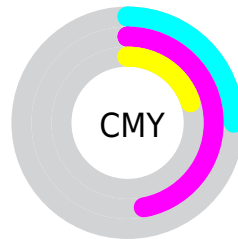


Cyan (7%)

Magenta (34%)

Yellow (0%)

Black (20%)



Cyan (25%)


Magenta (47%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8121, 0.3029, 0.2414 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 32.8121, 0.3029, 0.2414 by changing the saturation by 10% instead.

 32.8121, 0.3029,
0.2414


 32.8121, 0.3029,
0.2414


314.8022, 0.3091,
0.2845

 21.9825, 0.3009,
0.2310


 64.0821, 0.3055,
0.2568

 13.8441, 0.2982,
0.2178


 85.2912, 0.3063,
0.2627

 8.0123, 0.2941,
0.2007


 110.7291, 0.3070,
0.2677

 4.1028, 0.2878,
0.1779

140.7800, 0.3076,
0.2720

 1.7312, 0.2768,
0.1461

175.8284, 0.3081,
0.2757

 0.4438, 0.2590,
0.0882

216.2586, 0.3085,


 0.0000, 0.1303,


0.2790


0.0000

262.4551, 0.3088,
0.2819

 0.0000, 0.0000,
0.0000


 32.8121, 0.3029,
0.2414

 32.8121, 0.3029,
0.2414


 27.1072, 0.2988,
0.2156


 39.6364, 0.3064,
0.2677


 22.4540, 0.2943,
0.1915


 47.6344, 0.3094,
0.2938


 18.7837, 0.2893,
0.1701


 56.8619, 0.3118,
0.3189

 16.0177, 0.2840,
0.1523

 67.3699, 0.3138,
0.3427


 14.0652, 0.2787,
0.1388

 79.2065, 0.3154,
0.3648


 12.8159, 0.2734,
0.1300

 90.4752, 0.3168,
0.3821

 12.2956, 0.2703,
0.1263

 91.1075, 0.3194,
0.3817

 91.7557, 0.3220,
0.3813

 92.4197, 0.3246,
0.3809

Harmonies

Analogous

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



32.8121, 0.2429, 0.2248



32.8121, 0.3029, 0.2414



32.8121, 0.3729, 0.2761

Triad

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



32.8121, 0.3029, 0.2414



32.8121, 0.4273, 0.4221



32.8121, 0.2076, 0.3187

Complementary

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



32.8121, 0.3029, 0.2414



51.8201, 0.3183, 0.4271

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.



32.8121, 0.2491, 0.3902



32.8121, 0.3029, 0.2414



32.8121, 0.3758, 0.4521

Square

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



32.8121, 0.3029, 0.2414



32.8121, 0.4487, 0.3742



32.8121, 0.3104, 0.4435



32.8121, 0.1930, 0.2613

Rectangle

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



32.8121, 0.3029, 0.2414



32.8121, 0.4135, 0.3063



32.8121, 0.3104, 0.4435



32.8121, 0.2186, 0.3422

Sweetspot

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



32.8135, 0.3029, 0.2414



83.8393, 0.3104, 0.3041



31.4286, 0.2545, 0.2504



17.4954, 0.3101, 0.3005



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.



32.8135, 0.3029, 0.2414



46.6770, 0.3000, 0.2223



33.8227, 0.3363, 0.2669



11.2858, 0.3106, 0.3059



7.6926, 0.2710, 0.1267



0.4265, 0.2813, 0.1323

Inverse Universe

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



32.4829, 0.3762, 0.3111



46.1722, 0.3966, 0.3072



51.1901, 0.2954, 0.4007



11.2498, 0.3259, 0.3244



8.1910, 0.6056, 0.3110



0.4336, 0.5512, 0.2810

Previews

White Background



This preview shows how the Yxy color 32.8121, 0.3029, 0.2414 looks on a white background.

Color Contrast Check

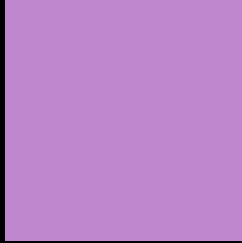
Large Text (above 18pt) WCAG AA × Fail

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 32.8121, 0.3029, 0.2414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

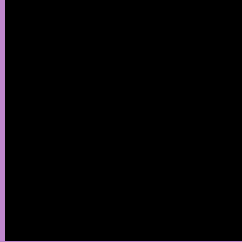
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8121, 0.3029, 0.2414

Background



This preview shows how black text looks on a background with the Yxy color 32.8121, 0.3029, 0.2414.



This preview shows how white text looks on a background with the Yxy color 32.8121, 0.3029, 0.2414.

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

32.8121, 0.3029, 0.2414

Protanopia

33.0478, 0.2462, 0.2381

Deuteranopia

33.1577, 0.2658, 0.2600



Tritanopia

32.8414, 0.3430, 0.3139

Trichromacy



Original Color

32.8121, 0.3029, 0.2414

Protanomaly

32.3814, 0.2637, 0.2376

Deuteranomaly

32.5509, 0.2779, 0.2516

Tritanomaly

32.6705, 0.3283, 0.2848

Monochromacy



Original Color

32.8121, 0.3029, 0.2414

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

33.9257, 0.3094, 0.2941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8121, 0.3029, 0.2414 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(191, 135, 205)` looks like.

```
.text, #text, p{  
    color:rgb(191, 135, 205)  
}
```

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(191, 135, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 135, 205) }
```

Border

The CSS property to change the border of an element to Yxy 32.8121, 0.3029, 0.2414 is called "border". The border property can be set on classes, ids or directly on the HTML element.

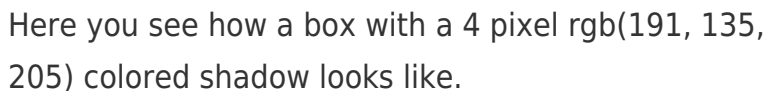
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 135, 205) }
```

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

```
.border{ border-color:rgb(191, 135, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(191, 135, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 135, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 135, 205); box-shadow:4px 4px 4px 4px rgb(191, 135, 205) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8121, 0.3029, 0.2414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 135, 205) }
```

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

```
.background{ background-color: rgb(191,  
135, 205) }
```

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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