

Converting Colors

$Y_{xy}(32.5127, 0.2926, 0.2387)$

Have a look what the booklet for
Yxy(32.5127, 0.2926, 0.2387)
contains.

Yxy(32.5127, 0.2926, 0.2387)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.5127, 0.2926, 0.2387)

Conversions

Conversions Part 1

Format	Color
Hex	B789D0
RGB	183, 137, 208
RGB Percent	72%, 54%, 82%
CMY	0.2824, 0.4627, 0.1844
CMYK	0.12, 0.34, 0.00, 0.18
HSL	279°, 43%, 68%
HSV	279°, 34%, 82%
XYZ	39.8543, 32.5127, 63.8404
YIQ	158.8480, 4.6250, 31.8330

Conversions

Conversions Part 2

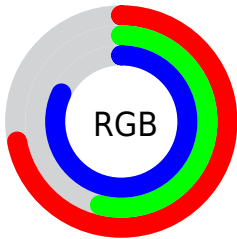
Format	Color
RYB	183, 137, 208
Decimal	12028368
CIELab	63.76, 30.43, -29.87
CIELCh	64, 42.638, 315.529
Yxy	32.5127, 0.2926, 0.2387
Android (android.graphics.Color)	4290218448 (0xFFB789D0)
YUV	158.8480, 24.2319, 21.1813
Hunter-Lab	57.0199, 24.9784, -26.4681

Details

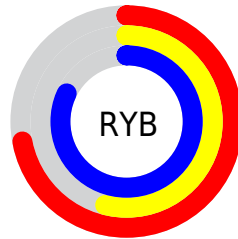
The Yxy color **32.5127, 0.2926, 0.2387** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.5953, 0.3265, 0.4246**, and the grayscale version is **34.4841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0069, 0.3044, 0.2641**, and **13.6226, 0.2852, 0.2143** is the 20% darker color. If you saturate the color by 10%, you get **26.2839, 0.2847, 0.2109**, and if you desaturate by 10%, it is **39.9307, 0.2996, 0.2665**.

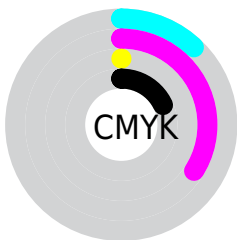
Distribution



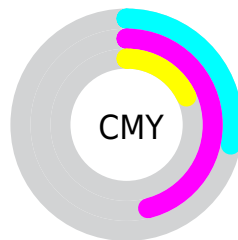
- Red (72%)
- Green (54%)
- Blue (82%)



- Red (72%)
- Yellow (54%)
- Blue (82%)



- Cyan (12%)
- Magenta (34%)
- Yellow (0%)
- Black (18%)





- Cyan (28%)
- Magenta (46%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5127, 0.2926, 0.2387 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 32.5127, 0.2926, 0.2387 by changing the saturation by 10% instead.

 32.5127, 0.2926,
0.2387


 32.5127, 0.2926,
0.2387


313.4482, 0.3041,
0.2832

 21.7534, 0.2893,
0.2279


 63.6140, 0.2971,
0.2546

 13.6758, 0.2848,
0.2143


 84.7248, 0.2987,
0.2607

 7.8955, 0.2784,
0.1967


 110.0548, 0.3000,
0.2658

 4.0282, 0.2688,
0.1732

139.9886, 0.3011,
0.2703

 1.6893, 0.2531,
0.1406

174.9104, 0.3021,
0.2741

 0.4167, 0.2282,
0.0809

215.2046, 0.3029,

 0.0000, 0.0588,

0.2775

0.0000

261.2558, 0.3035,
0.2805

0.0000, 0.0000,
0.0000

32.5127, 0.2926,
0.2387

32.5127, 0.2926,
0.2387

26.2839, 0.2847,
0.2109

39.9307, 0.2996,
0.2665

21.1739, 0.2760,
0.1841

48.5951, 0.3057,
0.2935

17.1109, 0.2667,
0.1597


58.5640, 0.3108,
0.3190

14.0127, 0.2571,
0.1388


69.8907, 0.3152,
0.3427

11.7847, 0.2476,
0.1224


82.6257, 0.3187,
0.3645


 10.3119, 0.2384,
0.1109

 92.3960, 0.3223,
0.3778

 9.6800, 0.2333,
0.1059

 93.6128, 0.3270,
0.3771

 94.8808, 0.3317,
0.3764

 96.2008, 0.3366,
0.3757

Harmonies

Analogous

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



32.5127, 0.2365, 0.2256



32.5127, 0.2926, 0.2387



32.5127, 0.3612, 0.2704

Triad

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



32.5127, 0.2926, 0.2387



32.5127, 0.4314, 0.4141



32.5127, 0.2140, 0.3298

Complementary

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



32.5127, 0.2926, 0.2387



54.5953, 0.3265, 0.4246

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.



32.5127, 0.2588, 0.3996



32.5127, 0.2926, 0.2387



32.5127, 0.3844, 0.4475

Square

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



32.5127, 0.2926, 0.2387



32.5127, 0.4463, 0.3657



32.5127, 0.3210, 0.4460



32.5127, 0.1952, 0.2698

Rectangle

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



32.5127, 0.2926, 0.2387



32.5127, 0.4033, 0.2992



32.5127, 0.3210, 0.4460



32.5127, 0.2262, 0.3534

Sweetspot

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



32.5141, 0.2926, 0.2387



83.1314, 0.3079, 0.3039



36.0810, 0.2565, 0.2659



17.3235, 0.3071, 0.3002



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.



32.5141, 0.2926, 0.2387



44.1073, 0.2869, 0.2182



35.4050, 0.3257, 0.2551



11.7920, 0.3082, 0.3057



6.0898, 0.2345, 0.1065



0.3840, 0.2506, 0.1154

Inverse Universe

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



33.9130, 0.3640, 0.2976



46.8167, 0.3802, 0.2908



52.5151, 0.3020, 0.4164



11.8761, 0.3236, 0.3208



8.6767, 0.5551, 0.2832



0.5000, 0.5038, 0.2549

Previews

White Background



This preview shows how the Yxy color 32.5127, 0.2926, 0.2387 looks on a white background.

Color Contrast Check

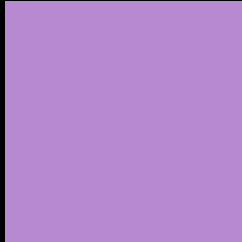
Large Text (above 18pt) WCAG AA × Fail

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 32.5127, 0.2926, 0.2387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

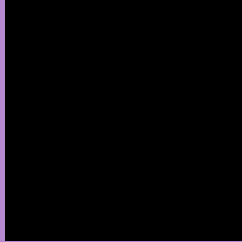
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5127, 0.2926, 0.2387

Background



This preview shows how black text looks on a background with the Yxy color 32.5127, 0.2926, 0.2387.



This preview shows how white text looks on a background with the Yxy color 32.5127, 0.2926, 0.2387.

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

32.5127, 0.2926, 0.2387

Protanopia

32.6103, 0.2439, 0.2352

Deuteranopia

32.6150, 0.2603, 0.2542



Tritanopia

32.4500, 0.3311, 0.3134

Trichromacy



Original Color

32.5127, 0.2926, 0.2387

Protanomaly

32.4046, 0.2591, 0.2359

Deuteranomaly

32.4918, 0.2713, 0.2485

Tritanomaly

32.2445, 0.3169, 0.2837

Monochromacy



Original Color

32.5127, 0.2926, 0.2387

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.6324, 0.3056, 0.2924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5127, 0.2926, 0.2387 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(183, 137, 208)` looks like.

```
.text, #text, p{  
    color:rgb(183, 137, 208)  
}
```

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(183, 137, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 137, 208) }
```

Border

The CSS property to change the border of an element to Yxy 32.5127, 0.2926, 0.2387 is called "border". The border property can be set on classes, ids or directly on the HTML element.

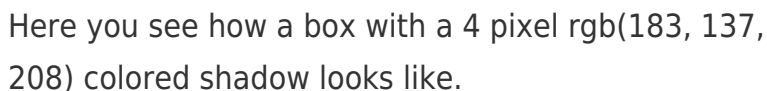
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 137, 208) }
```

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

```
.border{ border-color:rgb(183, 137, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 137, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 137, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 137, 208);  
box-shadow:4px 4px 4px 4px rgb(183, 137,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5127, 0.2926, 0.2387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 137, 208) }
```

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

```
.background{ background-color: rgb(183,  
137, 208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor