

Converting Colors

$Y_{xy}(32.7314, 0.3208, 0.2420)$

Have a look what the booklet for
Yxy(32.7314, 0.3208, 0.2420)
contains.

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Color

Yxy(32.8967, 0.3209, 0.2423)

Conversions

Conversions Part 1

Format	Color
Hex	CD81C9
RGB	205, 129, 201
RGB Percent	80%, 51%, 79%
CMY	0.1961, 0.4941, 0.2118
CMYK	0.00, 0.37, 0.02, 0.20
HSL	303°, 43%, 65%
HSV	303°, 37%, 80%
XYZ	43.5681, 32.8967, 59.3037
YIQ	159.9320, 22.1840, 38.5040

Conversions

Conversions Part 2

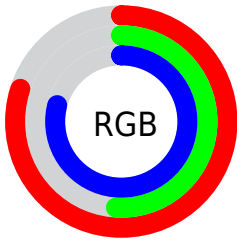
Format	Color
R_{YB}	205, 129, 201
Decimal	13468105
CIE _{Lab}	64.08, 40.36, -25.27
CIE _{LCh}	64, 47.617, 327.951
Yxy	32.8967, 0.3209, 0.2423
Android (android.graphics.Color)	4291658185 (0xFFCD81C9)
YUV	159.9320, 20.2465, 39.5246
Hunter-Lab	57.3556, 35.2186, -21.1548

Details

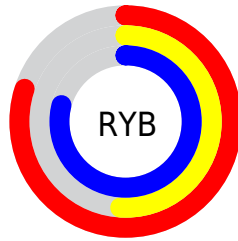
The Yxy color **32.8967, 0.3209, 0.2423** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.0241, 0.3050, 0.4344**, and the grayscale version is **35.0192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **13.8039, 0.3208, 0.2180** is the 20% darker color. If you saturate the color by 10%, you get **27.9774, 0.3234, 0.2206**, and if you desaturate by 10%, it is **38.9026, 0.3185, 0.2655**.

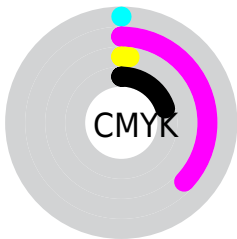
Distribution



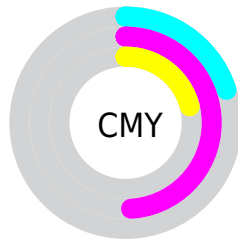
- Red (80%)
- Green (51%)
- Blue (79%)



- Red (80%)
- Yellow (51%)
- Blue (79%)



- Cyan (0%)
- Magenta (37%)
- Yellow (2%)
- Black (20%)




- Cyan (20%)
- Magenta (49%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8967, 0.3209, 0.2423 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 32.8967, 0.3209, 0.2423 by changing the saturation by 10% instead.


 32.8967, 0.3209,
0.2423


 32.8967, 0.3209,
0.2423


315.1840, 0.3179,
0.2848


 22.0473, 0.3213,
0.2321


 64.2142, 0.3201,
0.2575

 13.8917, 0.3216,
0.2191


 85.4511, 0.3197,
0.2633

 8.0454, 0.3217,
0.2024


 110.9194, 0.3193,
0.2682

 4.1240, 0.3211,
0.1799

141.0033, 0.3190,
0.2724

 1.7432, 0.3187,
0.1487

176.0874, 0.3187,
0.2761

 0.4514, 0.3153,
0.0916

216.5559, 0.3184,

 0.0000, 0.2554,

0.2794

0.0000

262.7933, 0.3181,
0.2822

0.0000, 0.0000,
0.0000

32.8967, 0.3209,
0.2423

32.8967, 0.3209,
0.2423

27.9774, 0.3234,
0.2206

38.9026, 0.3185,
0.2655

24.0752, 0.3259,
0.2014

46.0505, 0.3162,
0.2892

21.1193, 0.3282,
0.1855


54.3973, 0.3141,
0.3128


19.0283, 0.3305,
0.1735

63.9946, 0.3122,
0.3356


17.7068, 0.3325,
0.1659

74.8912, 0.3104,
0.3572


 17.0268, 0.3342,
0.1624

 87.1333, 0.3089,
0.3775

 16.8821, 0.3347,
0.1617

 89.0809, 0.3082,
0.3792

 89.1346, 0.3076,
0.3780

 89.1886, 0.3070,
0.3768

Harmonies

Analogous

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



32.8967, 0.2513, 0.2191



32.8967, 0.3209, 0.2423



32.8967, 0.3967, 0.2833

Triad

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



32.8967, 0.3209, 0.2423



32.8967, 0.4247, 0.4403



32.8967, 0.1921, 0.2985

Complementary

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



32.8967, 0.3209, 0.2423



50.0241, 0.3050, 0.4344

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.



32.8967, 0.2291, 0.3762



32.8967, 0.3209, 0.2423



32.8967, 0.3628, 0.4665

Square

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



32.8967, 0.3209, 0.2423



32.8967, 0.4588, 0.3905



32.8967, 0.2911, 0.4448



32.8967, 0.1842, 0.2435

Rectangle

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



32.8967, 0.3209, 0.2423



32.8967, 0.4364, 0.3171



32.8967, 0.2911, 0.4448



32.8967, 0.2012, 0.3228

Sweetspot

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



32.8982, 0.3209, 0.2423



83.2958, 0.3149, 0.3032



25.0813, 0.2486, 0.2187



17.4256, 0.3152, 0.3000



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.



32.8982, 0.3209, 0.2423



47.6893, 0.3228, 0.2259



31.3334, 0.3615, 0.2856



11.3931, 0.3146, 0.3073



10.5143, 0.3345, 0.1616



0.5456, 0.3316, 0.1600

Inverse Universe

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



32.8982, 0.3209, 0.2423



47.6893, 0.3228, 0.2259



51.2629, 0.2814, 0.3775



11.3931, 0.3146, 0.3073



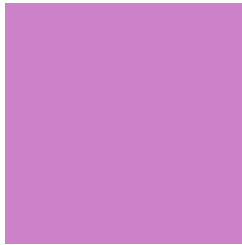
10.5143, 0.3345, 0.1616



0.5456, 0.3316, 0.1600

Previews

White Background



This preview shows how the Yxy color 32.8967, 0.3209, 0.2423 looks on a white background.

Color Contrast Check

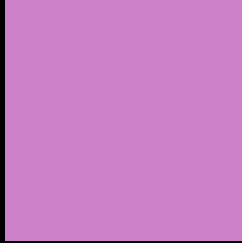
Large Text (above 18pt) WCAG AA × Fail

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 32.8967, 0.3209, 0.2423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

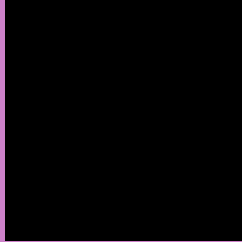
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8967, 0.3209, 0.2423

Background



This preview shows how black text looks on a background with the Yxy color 32.8967, 0.3209, 0.2423.



This preview shows how white text looks on a background with the Yxy color 32.8967, 0.3209, 0.2423.

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

32.8967, 0.3209, 0.2423

Protanopia

33.0478, 0.2462, 0.2381

Deuteranopia

33.2032, 0.2720, 0.2667



Tritanopia

32.6730, 0.3661, 0.3146

Trichromacy



Original Color

32.8967, 0.3209, 0.2423



Protanomaly

32.1736, 0.2691, 0.2381



Deuteranomaly

32.4588, 0.2882, 0.2561



Tritanomaly

32.6100, 0.3493, 0.2854

Monochromacy



Original Color

32.8967, 0.3209, 0.2423



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.8201, 0.3154, 0.2931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8967, 0.3209, 0.2423 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(205, 129, 201)` looks like.

```
.text, #text, p{  
    color:rgb(205, 129, 201)  
}
```

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(205, 129, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 129, 201) }
```

Border

The CSS property to change the border of an element to Yxy 32.8967, 0.3209, 0.2423 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(205, 129, 201) }
```

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

```
.border{ border-color:rgb(205, 129, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 129, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 129, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 129, 201);  
box-shadow:4px 4px 4px 4px rgb(205, 129,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8967, 0.3209, 0.2423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 129, 201) }
```

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

```
.background{ background-color: rgb(205,  
129, 201) }
```

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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