

Converting Colors

$Yxy(33.0526, 0.3097, 0.2326)$

Have a look what the booklet for
Yxy(33.0526, 0.3097, 0.2326)
contains.

Yxy(32.9102, 0.3092, 0.2321)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.9102, 0.3092, 0.2321)

Conversions

Conversions Part 1

Format	Color
Hex	CA81D2
RGB	202, 129, 210
RGB Percent	79%, 51%, 82%
CMY	0.2079, 0.4941, 0.1763
CMYK	0.04, 0.39, 0.00, 0.18
HSL	294°, 47%, 66%
HSV	294°, 39%, 82%
XYZ	43.8425, 32.9102, 65.0405
YIQ	160.0610, 17.5070, 40.6670

Conversions

Conversions Part 2

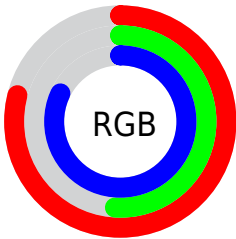
Format	Color
R_{YB}	202, 129, 210
Decimal	13271506
CIE _{Lab}	64.09, 41.12, -30.35
CIE _{LCh}	64, 51.110, 323.566
Yxy	32.9102, 0.3092, 0.2321
Android (android.graphics.Color)	4291461586 (0xFFCA81D2)
YUV	160.0610, 24.6199, 36.7805
Hunter-Lab	57.3674, 36.0238, -27.0631

Details

The Yxy color **32.9102, 0.3092, 0.2321** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **53.0210, 0.3128, 0.4441**, and the grayscale version is **35.0628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **13.7853, 0.3057, 0.2064** is the 20% darker color. If you saturate the color by 10%, you get **27.6463, 0.3076, 0.2085**, and if you desaturate by 10%, it is **39.3182, 0.3105, 0.2572**.

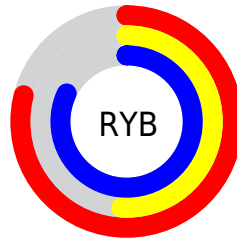
Distribution



Red (79%)

Green (51%)

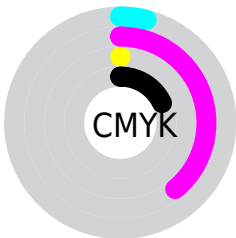
Blue (82%)



Red (79%)

Yellow (51%)

Blue (82%)

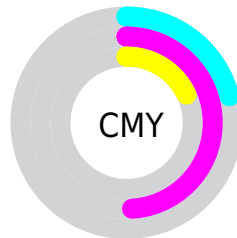


Cyan (4%)

Magenta (39%)

Yellow (0%)

Black (18%)



Cyan (21%)


Magenta (49%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9102, 0.3092, 0.2321 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 32.9102, 0.3092, 0.2321 by changing the saturation by 10% instead.


 32.9102, 0.3092,
0.2321

 32.9102, 0.3092,
0.2321


315.2449, 0.3125,
0.2791

 22.0577, 0.3079,
0.2209


 64.2353, 0.3107,
0.2488

 13.8993, 0.3060,
0.2069


 85.4767, 0.3112,
0.2552

 8.0506, 0.3031,
0.1890


 110.9497, 0.3116,
0.2606

 4.1274, 0.2981,
0.1653

141.0389, 0.3119,
0.2653

 1.7451, 0.2892,
0.1332

176.1287, 0.3121,
0.2694

 0.4526, 0.2744,
0.0784


216.6033, 0.3122,


 0.0000, 0.2049,


0.2731


0.0000


262.8473, 0.3124,
0.2763


 0.0000, 0.0000,
0.0000


 32.9102, 0.3092,
0.2321

 32.9102, 0.3092,
0.2321

 27.6463, 0.3076,
0.2085


 39.3182, 0.3105,
0.2572


 23.4519, 0.3057,
0.1872

 46.9300, 0.3115,
0.2828


 20.2506, 0.3035,
0.1694


 55.8068, 0.3123,
0.3080

 17.9537, 0.3012,
0.1557

 66.0038, 0.3128,
0.3324


 16.4572, 0.2987,
0.1463

 77.5732, 0.3131,
0.3554


 15.5997, 0.2962,
0.1410

 90.5479, 0.3132,
0.3768

 15.4972, 0.2958,
0.1403

 90.8648, 0.3145,
0.3766

 91.1857, 0.3158,
0.3764

 91.5107, 0.3171,
0.3762

Harmonies

Analogous

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



32.9102, 0.2380, 0.2107



32.9102, 0.3092, 0.2321



32.9102, 0.3915, 0.2729

Triad

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



32.9102, 0.3092, 0.2321



32.9102, 0.4392, 0.4398



32.9102, 0.1882, 0.3067

Complementary

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



32.9102, 0.3092, 0.2321



53.0210, 0.3128, 0.4441

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.



32.9102, 0.2314, 0.3924



32.9102, 0.3092, 0.2321



32.9102, 0.3759, 0.4749

Square

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



32.9102, 0.3092, 0.2321



32.9102, 0.4706, 0.3845



32.9102, 0.2998, 0.4615



32.9102, 0.1758, 0.2438

Rectangle

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



32.9102, 0.3092, 0.2321



32.9102, 0.4375, 0.3075



32.9102, 0.2998, 0.4615



32.9102, 0.1992, 0.3340

Sweetspot

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



32.9116, 0.3092, 0.2321



81.4348, 0.3120, 0.2991



27.2437, 0.2439, 0.2241



17.0368, 0.3119, 0.2958



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.



32.9116, 0.3092, 0.2321



44.4281, 0.3079, 0.2132



32.6079, 0.3507, 0.2694



11.9469, 0.3122, 0.3060



9.4738, 0.2962, 0.1405



0.5474, 0.3010, 0.1432

Inverse Universe

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



31.2161, 0.3982, 0.3191



41.5321, 0.4257, 0.3172



53.3686, 0.2876, 0.3979



11.8270, 0.3275, 0.3267



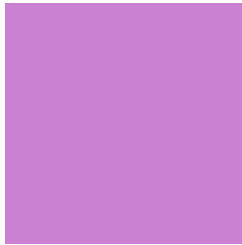
8.3974, 0.6276, 0.3231



0.4762, 0.5937, 0.3044

Previews

White Background



This preview shows how the Yxy color 32.9102, 0.3092, 0.2321 looks on a white background.

Color Contrast Check

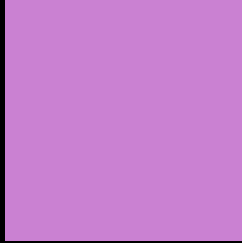
Large Text (above 18pt) WCAG AA × Fail

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 32.9102, 0.3092, 0.2321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

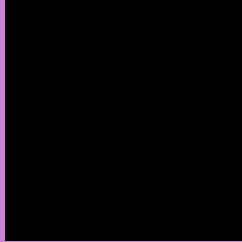
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9102, 0.3092, 0.2321

Background



This preview shows how black text looks on a background with the Yxy color 32.9102, 0.3092, 0.2321.



This preview shows how white text looks on a background with the Yxy color 32.9102, 0.3092, 0.2321.

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

32.9102, 0.3092, 0.2321

Protanopia

33.1854, 0.2369, 0.2263

Deuteranopia

33.1680, 0.2614, 0.2547



Tritanopia

32.7861, 0.3590, 0.3144

Trichromacy



Original Color

32.9102, 0.3092, 0.2321



Protanomaly

32.2884, 0.2586, 0.2265



Deuteranomaly

32.4508, 0.2773, 0.2448



Tritanomaly

32.7788, 0.3404, 0.2824

Monochromacy



Original Color

32.9102, 0.3092, 0.2321



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.8232, 0.3116, 0.2891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9102, 0.3092, 0.2321 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(202, 129, 210)` looks like.

```
.text, #text, p{  
    color:rgb(202, 129, 210)  
}
```

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(202, 129, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 129, 210) }
```

Border

The CSS property to change the border of an element to Yxy 32.9102, 0.3092, 0.2321 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(202, 129, 210) }
```

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

```
.border{ border-color:rgb(202, 129, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 129, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 129, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 129, 210);  
box-shadow:4px 4px 4px 4px rgb(202, 129,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9102, 0.3092, 0.2321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 129, 210) }
```

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

```
.background{ background-color: rgb(202,  
129, 210) }
```

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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