

Converting Colors

$Y_{xy}(32.5265, 0.3102, 0.2369)$

Have a look what the booklet for
Yxy(32.5265, 0.3102, 0.2369)
contains.

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Color

Yxy(32.5636, 0.3100, 0.2365)

Conversions

Conversions Part 1

Format	Color
Hex	C782CE
RGB	199, 130, 206
RGB Percent	78%, 51%, 81%
CMY	0.2195, 0.4902, 0.1921
CMYK	0.03, 0.37, 0.00, 0.19
HSL	294°, 44%, 66%
HSV	294°, 37%, 81%
XYZ	42.6838, 32.5636, 62.4423
YIQ	159.2950, 16.7280, 38.2640

Conversions

Conversions Part 2

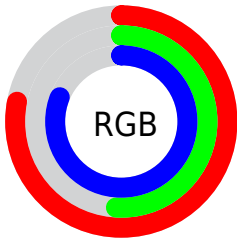
Format	Color
R_{YB}	199, 130, 206
Decimal	13075150
CIE _{Lab}	63.81, 38.90, -28.57
CIE _{LCh}	64, 48.265, 323.709
Yxy	32.5636, 0.3100, 0.2365
Android (android.graphics.Color)	4291265230 (0xFFC782CE)
YUV	159.2950, 23.0256, 34.8213
Hunter-Lab	57.0645, 33.6536, -24.9323

Details

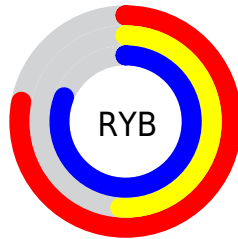
The Yxy color **32.5636, 0.3100, 0.2365** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.0817, 0.3125, 0.4383**, and the grayscale version is **34.7007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **13.7556, 0.3082, 0.2132** is the 20% darker color. If you saturate the color by 10%, you get **27.3651, 0.3086, 0.2127**, and if you desaturate by 10%, it is **38.8654, 0.3111, 0.2616**.

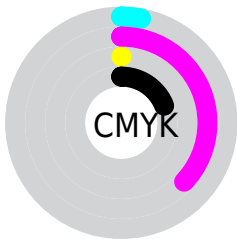
Distribution



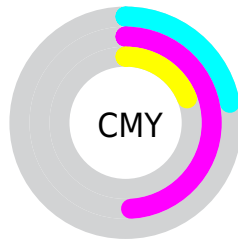
- Red (78%)
- Green (51%)
- Blue (81%)



- Red (78%)
- Yellow (51%)
- Blue (81%)



- Cyan (3%)
- Magenta (37%)
- Yellow (0%)
- Black (19%)





- Cyan (22%)
- Magenta (49%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5636, 0.3100, 0.2365 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 32.5636, 0.3100, 0.2365 by changing the saturation by 10% instead.


 32.5636, 0.3100,
0.2365


 32.5636, 0.3100,
0.2365


313.6787, 0.3127,
0.2817


 21.7923, 0.3089,
0.2257


 63.6936, 0.3113,
0.2526

 13.7044, 0.3072,
0.2120


 84.8211, 0.3117,
0.2588

 7.9154, 0.3045,
0.1944


 110.1695, 0.3120,
0.2640

 4.0408, 0.3001,
0.1710

140.1232, 0.3122,
0.2685

 1.6964, 0.2918,
0.1388

175.0666, 0.3124,
0.2725

 0.4213, 0.2786,
0.0804

215.3840, 0.3126,


 0.0000, 0.1888,


0.2759


0.0000


261.4599, 0.3127,
0.2790


 0.0000, 0.0000,
0.0000


 32.5636, 0.3100,
0.2365

 32.5636, 0.3100,
0.2365

 27.3651, 0.3086,
0.2127


 38.8654, 0.3111,
0.2616


 23.1997, 0.3070,
0.1911

 46.3265, 0.3119,
0.2871


 19.9959, 0.3051,
0.1728


 55.0044, 0.3125,
0.3122


 17.6713, 0.3030,
0.1585


 64.9516, 0.3128,
0.3363

 16.1296, 0.3008,
0.1485


 76.2171, 0.3130,
0.3591

 15.2435, 0.2984,
0.1428

 88.8479, 0.3130,
0.3802

 15.0310, 0.2977,
0.1414

 90.0182, 0.3141,
0.3814

 90.3021, 0.3153,
0.3812

 90.5892, 0.3165,
0.3810

Harmonies

Analogous

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



32.5636, 0.2419, 0.2159



32.5636, 0.3100, 0.2365



32.5636, 0.3879, 0.2758

Triad

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



32.5636, 0.3100, 0.2365



32.5636, 0.4334, 0.4356



32.5636, 0.1938, 0.3080

Complementary

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



32.5636, 0.3100, 0.2365



51.0817, 0.3125, 0.4383

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.



32.5636, 0.2353, 0.3885



32.5636, 0.3100, 0.2365



32.5636, 0.3733, 0.4675

Square

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



32.5636, 0.3100, 0.2365



32.5636, 0.4628, 0.3832



32.5636, 0.3007, 0.4536



32.5636, 0.1818, 0.2481

Rectangle

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



32.5636, 0.3100, 0.2365



32.5636, 0.4312, 0.3092



32.5636, 0.3007, 0.4536



32.5636, 0.2044, 0.3338

Sweetspot

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



32.5650, 0.3100, 0.2365



82.9047, 0.3122, 0.3017



27.2617, 0.2474, 0.2296



17.3316, 0.3122, 0.2983



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.



32.5650, 0.3100, 0.2365



46.1597, 0.3090, 0.2181



32.2059, 0.3484, 0.2721



11.3493, 0.3123, 0.3061



9.2758, 0.2981, 0.1416



0.4942, 0.3028, 0.1442

Inverse Universe

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



30.8924, 0.3934, 0.3202



43.1488, 0.4192, 0.3185



51.4505, 0.2886, 0.3943



11.2301, 0.3276, 0.3269



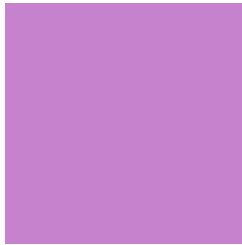
8.1152, 0.6286, 0.3237



0.4245, 0.5948, 0.3050

Previews

White Background



This preview shows how the Yxy color 32.5636, 0.3100, 0.2365 looks on a white background.

Color Contrast Check

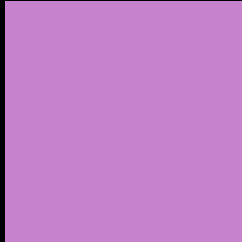
Large Text (above 18pt) WCAG AA × Fail

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 32.5636, 0.3100, 0.2365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

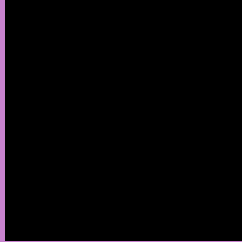
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5636, 0.3100, 0.2365

Background



This preview shows how black text looks on a background with the Yxy color 32.5636, 0.3100, 0.2365.



This preview shows how white text looks on a background with the Yxy color 32.5636, 0.3100, 0.2365.

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

32.5636, 0.3100, 0.2365

Protanopia

33.0698, 0.2411, 0.2320

Deuteranopia

32.7405, 0.2649, 0.2583



Tritanopia

32.5232, 0.3568, 0.3143

Trichromacy



Original Color

32.5636, 0.3100, 0.2365



Protanomaly

32.3285, 0.2622, 0.2332



Deuteranomaly

32.2576, 0.2804, 0.2494



Tritanomaly

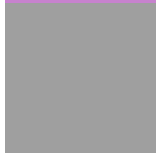
32.4720, 0.3394, 0.2833

Monochromacy



Original Color

32.5636, 0.3100, 0.2365



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.3131, 0.3125, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5636, 0.3100, 0.2365 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, 130, 206)` looks like.

```
.text, #text, p{  
    color:rgb(199, 130, 206)  
}
```

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, 130, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 130, 206) }
```

Border

The CSS property to change the border of an element to Yxy 32.5636, 0.3100, 0.2365 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, 130, 206) }
```

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

```
.border{ border-color:rgb(199, 130, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 130, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 130, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 130, 206);  
box-shadow:4px 4px 4px 4px rgb(199, 130,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5636, 0.3100, 0.2365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 130, 206) }
```

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

```
.background{ background-color: rgb(199,  
130, 206) }
```

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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