

Converting Colors

$Y_{xy}(34.0999, 0.3061, 0.2277)$

Have a look what the booklet for
Yxy(34.0999, 0.3061, 0.2277)
contains.

Yxy(33.9542, 0.3057, 0.2272)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.9542, 0.3057, 0.2272)

Conversions

Conversions Part 1

Format	Color
Hex	CD82D9
RGB	205, 130, 217
RGB Percent	80%, 51%, 85%
CMY	0.1961, 0.4902, 0.1489
CMYK	0.06, 0.40, 0.00, 0.15
HSL	292°, 53%, 68%
HSV	292°, 40%, 85%
XYZ	45.6857, 33.9542, 69.8064
YIQ	162.3430, 16.7730, 42.9570

Conversions

Conversions Part 2

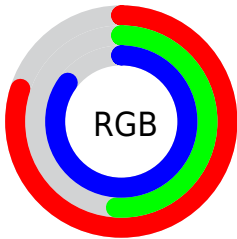
Format	Color
R _Y B	205, 130, 217
Decimal	13468377
CIE Lab	64.93, 42.85, -32.93
CIE LCh	65, 54.038, 322.459
Yxy	33.9542, 0.3057, 0.2272
Android (android.graphics.Color)	4291658457 (0xFFCD82D9)
YUV	162.3430, 26.9459, 37.4102
Hunter-Lab	58.2702, 37.9768, -30.2389

Details

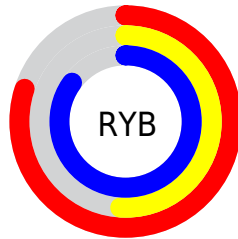
The Yxy color **33.9542, 0.3057, 0.2272** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **57.0020, 0.3150, 0.4488**, and the grayscale version is **36.1668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **14.4470, 0.3009, 0.2009** is the 20% darker color. If you saturate the color by 10%, you get **28.3560, 0.3030, 0.2032**, and if you desaturate by 10%, it is **40.7810, 0.3080, 0.2527**.

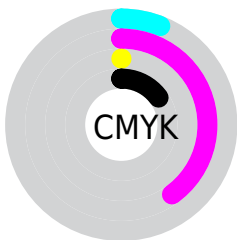
Distribution



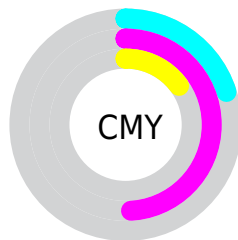
- Red (80%)
- Green (51%)
- Blue (85%)



- Red (80%)
- Yellow (51%)
- Blue (85%)



- Cyan (6%)
- Magenta (40%)
- Yellow (0%)
- Black (15%)





- Cyan (20%)
- Magenta (49%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9542, 0.3057, 0.2272 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 33.9542, 0.3057, 0.2272 by changing the saturation by 10% instead.


 33.9542, 0.3057,
0.2272


 33.9542, 0.3057,
0.2272


319.9278, 0.3109,
0.2761


 22.8584, 0.3039,
0.2157


 65.8624, 0.3080,
0.2444

 14.4890, 0.3014,
0.2015


 87.4437, 0.3087,
0.2511

 8.4615, 0.2976,
0.1834


 113.2889, 0.3093,
0.2567

 4.3917, 0.2915,
0.1597

143.7824, 0.3097,
0.2616

 1.8950, 0.2811,
0.1282

179.3087, 0.3101,
0.2659

 0.5454, 0.2630,
0.0801

220.2520, 0.3104,

 0.0000, 0.2134,

0.2697


0.0000


266.9970, 0.3107,
0.2731

 0.0000, 0.0000,
0.0000

 33.9542, 0.3057,
0.2272


 33.9542, 0.3057,
0.2272


 28.3560, 0.3030,
0.2032


 40.7810, 0.3080,
0.2527


 23.9047, 0.2999,
0.1817


 48.9024, 0.3100,
0.2786


 20.5158, 0.2966,
0.1637

 58.3850, 0.3115,
0.3042

 18.0910, 0.2931,
0.1498

 69.2896, 0.3127,
0.3288

 16.5136, 0.2894,
0.1404

 81.6733, 0.3136,
0.3520

■ 15.5806, 0.2859,
0.1349

■ 92.2173, 0.3146,
0.3685

■ 92.6978, 0.3164,
0.3683

■ 93.1867, 0.3183,
0.3681

■ 93.6842, 0.3202,
0.3678

Harmonies

Analogous

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



33.9542, 0.2326, 0.2059



33.9542, 0.3057, 0.2272



33.9542, 0.3920, 0.2686

Triad

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



33.9542, 0.3057, 0.2272



33.9542, 0.4459, 0.4417



33.9542, 0.1842, 0.3082

Complementary

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



33.9542, 0.3057, 0.2272



57.0020, 0.3150, 0.4488

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.



33.9542, 0.2299, 0.3988



33.9542, 0.3057, 0.2272



33.9542, 0.3806, 0.4808

Square

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



33.9542, 0.3057, 0.2272



33.9542, 0.4777, 0.3834



33.9542, 0.3016, 0.4701



33.9542, 0.1706, 0.2417

Rectangle

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



33.9542, 0.3057, 0.2272



33.9542, 0.4410, 0.3041



33.9542, 0.3016, 0.4701



33.9542, 0.1959, 0.3371

Sweetspot

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



33.9557, 0.3057, 0.2272



81.2135, 0.3112, 0.2991



29.4182, 0.2416, 0.2252



16.9844, 0.3110, 0.2957



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.



33.9557, 0.3057, 0.2272



42.0783, 0.3035, 0.2070



34.2901, 0.3481, 0.2621



13.1789, 0.3116, 0.3058



9.4640, 0.2864, 0.1351



0.6388, 0.2924, 0.1384

Inverse Universe

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



32.6745, 0.3994, 0.3145



40.1120, 0.4278, 0.3118



56.9374, 0.2893, 0.4076



13.0807, 0.3270, 0.3258



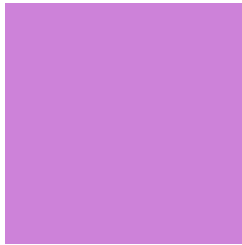
8.9957, 0.6210, 0.3195



0.5924, 0.5829, 0.2985

Previews

White Background



This preview shows how the Yxy color 33.9542, 0.3057, 0.2272 looks on a white background.

Color Contrast Check

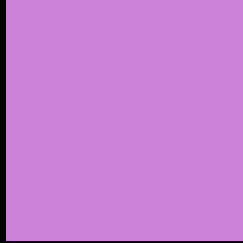
Large Text (above 18pt) WCAG AA × Fail

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 33.9542, 0.3057, 0.2272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

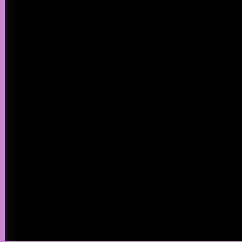
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9542, 0.3057, 0.2272

Background



This preview shows how black text looks on a background with the Yxy color 33.9542, 0.3057, 0.2272.



This preview shows how white text looks on a background with the Yxy color 33.9542, 0.3057, 0.2272.

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

33.9542, 0.3057, 0.2272

Protanopia

34.3029, 0.2331, 0.2208

Deuteranopia

34.3700, 0.2571, 0.2517



Tritanopia

33.7138, 0.3584, 0.3145

Trichromacy



Original Color

33.9542, 0.3057, 0.2272



Protanomaly

33.4390, 0.2544, 0.2212



Deuteranomaly

33.8295, 0.2731, 0.2412



Tritanomaly

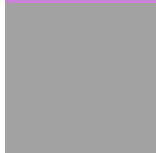
33.4934, 0.3382, 0.2791

Monochromacy



Original Color

33.9542, 0.3057, 0.2272



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.6551, 0.3108, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9542, 0.3057, 0.2272 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, 130, 217)` looks like.

```
.text, #text, p{  
    color:rgb(205, 130, 217)  
}
```

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, 130, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 130, 217) }
```

Border

The CSS property to change the border of an element to Yxy 33.9542, 0.3057, 0.2272 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, 130, 217) }
```

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

```
.border{ border-color:rgb(205, 130, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 130, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 130, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 130, 217);  
box-shadow:4px 4px 4px 4px rgb(205, 130,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9542, 0.3057, 0.2272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 130, 217) }
```

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

```
.background{ background-color: rgb(205,  
130, 217) }
```

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