

Converting Colors

$Y_{xy}(34.9990, 0.3171, 0.2506)$

Have a look what the booklet for
Yxy(34.9990, 0.3171, 0.2506)
contains.

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Color

Yxy(35.1377, 0.3174, 0.2513)

Conversions

Conversions Part 1

Format	Color
Hex	CB8ACA
RGB	203, 138, 202
RGB Percent	80%, 54%, 79%
CMY	0.2038, 0.4588, 0.2079
CMYK	0.00, 0.32, 0.01, 0.20
HSL	301°, 38%, 67%
HSV	301°, 32%, 80%
XYZ	44.3800, 35.1377, 60.3060
YIQ	164.7310, 18.1960, 33.6840

Conversions

Conversions Part 2

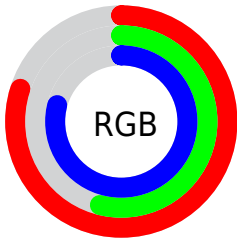
Format	Color
R _Y B	203, 138, 202
Decimal	13339338
CIE Lab	65.86, 35.07, -23.12
CIE LCh	66, 42.006, 326.612
Yxy	35.1377, 0.3174, 0.2513
Android (android.graphics.Color)	4291529418 (0xFFCB8ACA)
YUV	164.7310, 18.3736, 33.5619
Hunter-Lab	59.2771, 29.9060, -18.8252

Details

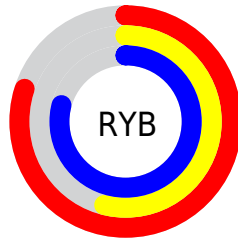
The Yxy color **35.1377, 0.3174, 0.2513** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.9914, 0.3076, 0.4213**, and the grayscale version is **37.3962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1793, 0.3156, 0.2673**, and **15.2504, 0.3173, 0.2308** is the 20% darker color. If you saturate the color by 10%, you get **29.8327, 0.3189, 0.2282**, and if you desaturate by 10%, it is **41.5346, 0.3159, 0.2756**.

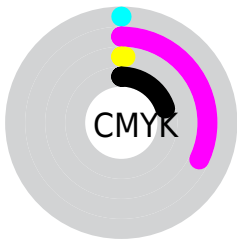
Distribution



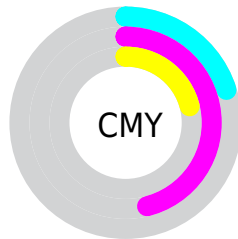
- Red (80%)
- Green (54%)
- Blue (79%)



- Red (80%)
- Yellow (54%)
- Blue (79%)



- Cyan (0%)
- Magenta (32%)
- Yellow (1%)
- Black (20%)




- Cyan (20%)
- Magenta (46%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1377, 0.3174, 0.2513 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 35.1377, 0.3174, 0.2513 by changing the saturation by 10% instead.


 35.1377, 0.3174,
0.2513

 35.1377, 0.3174,
0.2513


325.1757, 0.3160,
0.2893


 23.7690, 0.3175,
0.2421


 67.6990, 0.3171,
0.2649

 15.1623, 0.3174,
0.2305


 89.6604, 0.3169,
0.2701

 8.9334, 0.3170,
0.2154


 115.9215, 0.3167,
0.2745

 4.6978, 0.3160,
0.1951

146.8666, 0.3166,
0.2783

 2.0710, 0.3132,
0.1666

182.8802, 0.3164,
0.2816

 0.6483, 0.3071,
0.1212

224.3467, 0.3162,

 0.0000, 0.2720,


0.2845

0.0000

271.6504, 0.3161,
0.2871


 0.0000, 0.0000,
0.0000

 35.1377, 0.3174,
0.2513

 35.1377, 0.3174,
0.2513


 29.8327, 0.3189,
0.2282


 41.5346, 0.3159,
0.2756


 25.5543, 0.3203,
0.2071


 49.0750, 0.3144,
0.3001


 22.2372, 0.3217,
0.1890


 57.8125, 0.3130,
0.3242

 19.8068, 0.3228,
0.1747


 67.7962, 0.3117,
0.3473

 18.1775, 0.3238,
0.1646

 79.0724, 0.3105,
0.3691


 17.2469, 0.3245,
0.1588

 88.5764, 0.3096,
0.3846

 16.8587, 0.3250,
0.1564

 88.5921, 0.3094,
0.3843

 88.6078, 0.3092,
0.3839

 88.6236, 0.3090,
0.3835

Harmonies

Analogous

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



35.1377, 0.2571, 0.2314



35.1377, 0.3174, 0.2513



35.1377, 0.3827, 0.2875

Triad

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



35.1377, 0.3174, 0.2513



35.1377, 0.4133, 0.4258



35.1377, 0.2078, 0.3065

Complementary

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



35.1377, 0.3174, 0.2513



49.9914, 0.3076, 0.4213

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.



35.1377, 0.2424, 0.3728



35.1377, 0.3174, 0.2513



35.1377, 0.3605, 0.4471

Square

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



35.1377, 0.3174, 0.2513



35.1377, 0.4402, 0.3829



35.1377, 0.2978, 0.4290



35.1377, 0.1991, 0.2568

Rectangle

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



35.1377, 0.3174, 0.2513



35.1377, 0.4175, 0.3176



35.1377, 0.2978, 0.4290



35.1377, 0.2165, 0.3277

Sweetspot

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



35.1392, 0.3174, 0.2513



84.7693, 0.3141, 0.3047



27.8922, 0.2560, 0.2353



17.7220, 0.3143, 0.3013



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.



35.1392, 0.3174, 0.2513



52.8679, 0.3184, 0.2361



33.7977, 0.3493, 0.2877



11.4005, 0.3140, 0.3065



10.7274, 0.3249, 0.1564



0.5544, 0.3241, 0.1559

Inverse Universe

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



35.1392, 0.3174, 0.2513



52.8679, 0.3184, 0.2361



51.0477, 0.2873, 0.3746



11.4005, 0.3140, 0.3065



10.7274, 0.3249, 0.1564



0.5544, 0.3241, 0.1559

Previews

White Background



This preview shows how the Yxy color 35.1377, 0.3174, 0.2513 looks on a white background.

Color Contrast Check

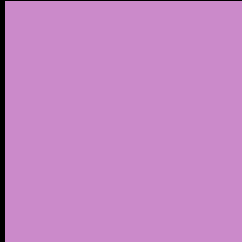
Large Text (above 18pt) WCAG AA × Fail

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 35.1377, 0.3174, 0.2513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

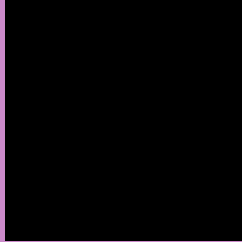
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1377, 0.3174, 0.2513

Background



This preview shows how black text looks on a background with the Yxy color 35.1377, 0.3174, 0.2513.



This preview shows how white text looks on a background with the Yxy color 35.1377, 0.3174, 0.2513.

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

35.1377, 0.3174, 0.2513

Protanopia

35.3928, 0.2549, 0.2489

Deuteranopia

35.3593, 0.2784, 0.2723



Tritanopia

35.2064, 0.3542, 0.3146

Trichromacy



Original Color

35.1377, 0.3174, 0.2513



Protanomaly

34.8860, 0.2741, 0.2486



Deuteranomaly

34.9349, 0.2922, 0.2640



Tritanomaly

35.1446, 0.3403, 0.2905

Monochromacy



Original Color

35.1377, 0.3174, 0.2513



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

36.2407, 0.3151, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1377, 0.3174, 0.2513 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(203, 138, 202)` looks like.

```
.text, #text, p{  
    color:rgb(203, 138, 202)  
}
```

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(203, 138, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 138, 202) }
```

Border

The CSS property to change the border of an element to Yxy 35.1377, 0.3174, 0.2513 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(203, 138, 202) }
```

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

```
.border{ border-color:rgb(203, 138, 202) }
```

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

Here you see how a box with a 4 pixel rgb(203, 138, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 138, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 138, 202);  
box-shadow:4px 4px 4px 4px rgb(203, 138,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1377, 0.3174, 0.2513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 138, 202) }
```

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

```
.background{ background-color: rgb(203,  
138, 202) }
```

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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