

Converting Colors

$Y_{xy}(35.0089, 0.2977, 0.2371)$

Have a look what the booklet for
Yxy(35.0089, 0.2977, 0.2371)
contains.

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Color

Yxy(34.9736, 0.2979, 0.2368)

Conversions

Conversions Part 1

Format	Color
Hex	C38BD7
RGB	195, 139, 215
RGB Percent	76%, 55%, 84%
CMY	0.2354, 0.4548, 0.1569
CMYK	0.09, 0.35, 0.00, 0.16
HSL	284°, 49%, 69%
HSV	284°, 35%, 84%
XYZ	43.9976, 34.9736, 68.7214
YIQ	164.4080, 8.9800, 35.5080

Conversions

Conversions Part 2

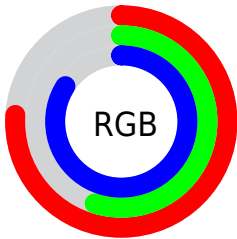
Format	Color
RYB	195, 139, 215
Decimal	12815319
CIELab	65.73, 34.51, -30.65
CIELCh	66, 46.150, 318.391
Yxy	34.9736, 0.2979, 0.2368
Android (android.graphics.Color)	4291005399 (0xFFC38BD7)
YUV	164.4080, 24.9419, 26.8292
Hunter-Lab	59.1385, 29.3074, -27.5005

Details

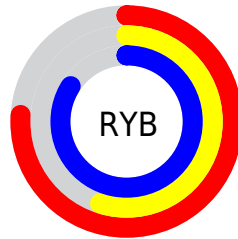
The Yxy color $34.9736, 0.2979, 0.2368$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $57.8419, 0.3219, 0.4303$, and the grayscale version is $37.2049, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.0554, 0.3133, 0.2679$, and $15.0930, 0.2916, 0.2131$ is the 20% darker color. If you saturate the color by 10%, you get $28.6075, 0.2921, 0.2102$, and if you desaturate by 10%, it is $42.5956, 0.3030, 0.2638$.

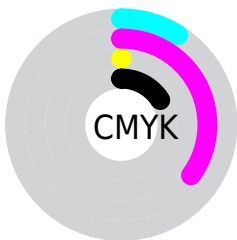
Distribution



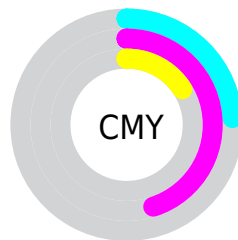
- Red (76%)
- Green (55%)
- Blue (84%)



- Red (76%)
- Yellow (55%)
- Blue (84%)



- Cyan (9%)
- Magenta (35%)
- Yellow (0%)
- Black (16%)





- Cyan (24%)
- Magenta (45%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9736, 0.2979, 0.2368 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 34.9736, 0.2979, 0.2368 by changing the saturation by 10% instead.


 34.9736, 0.2979,
0.2368


 34.9736, 0.2979,
0.2368


324.4518, 0.3067,
0.2815

 23.6425, 0.2953,
0.2262


 67.4449, 0.3014,
0.2526

 15.0687, 0.2918,
0.2129


 89.3539, 0.3026,
0.2587

 8.8676, 0.2867,
0.1959


 115.5576, 0.3036,
0.2639

 4.6549, 0.2791,
0.1734

146.4406, 0.3045,
0.2684

 2.0462, 0.2666,
0.1428

182.3870, 0.3052,
0.2723

 0.6341, 0.2449,
0.0970

223.7815, 0.3058,

 0.0000, 0.1799,

0.2757

0.0000

271.0083, 0.3063,
0.2787

0.0000, 0.0000,
0.0000

34.9736, 0.2979,
0.2368

34.9736, 0.2979,
0.2368

28.6075, 0.2921,
0.2102

42.5956, 0.3030,
0.2638

23.4205, 0.2857,
0.1852

51.5357, 0.3074,
0.2904

19.3342, 0.2788,
0.1629

61.8571, 0.3110,
0.3160

16.2584, 0.2717,
0.1443


73.6176, 0.3140,
0.3400


14.0886, 0.2645,
0.1302

86.8717, 0.3165,
0.3622


 12.6966, 0.2576,
0.1208

 93.0808, 0.3195,
0.3702

 12.2076, 0.2544,
0.1175

 94.0284, 0.3231,
0.3697

 95.0068, 0.3268,
0.3693

 96.0161, 0.3304,
0.3688

Harmonies

Analogous

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



34.9736, 0.2372, 0.2210



34.9736, 0.2979, 0.2368



34.9736, 0.3706, 0.2714

Triad

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



34.9736, 0.2979, 0.2368



34.9736, 0.4338, 0.4222



34.9736, 0.2058, 0.3225

Complementary

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



34.9736, 0.2979, 0.2368



57.8419, 0.3219, 0.4303

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.



34.9736, 0.2501, 0.3973



34.9736, 0.2979, 0.2368



34.9736, 0.3817, 0.4558

Square

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



34.9736, 0.2979, 0.2368



34.9736, 0.4539, 0.3718



34.9736, 0.3143, 0.4506



34.9736, 0.1892, 0.2615

Rectangle

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



34.9736, 0.2979, 0.2368



34.9736, 0.4139, 0.3021



34.9736, 0.3143, 0.4506



34.9736, 0.2177, 0.3473

Sweetspot

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



34.9751, 0.2979, 0.2368



82.0151, 0.3090, 0.3014



35.2900, 0.2528, 0.2523



17.1185, 0.3085, 0.2979



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.



34.9751, 0.2979, 0.2368



44.6610, 0.2939, 0.2179



36.9617, 0.3337, 0.2604



12.4604, 0.3096, 0.3057



7.3555, 0.2554, 0.1181



0.4828, 0.2672, 0.1246

Inverse Universe

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



35.4230, 0.3742, 0.3045



45.5484, 0.3925, 0.2997



56.5174, 0.2971, 0.4094



12.4740, 0.3250, 0.3229



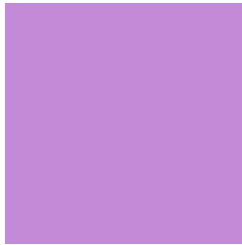
8.8309, 0.5873, 0.3009



0.5464, 0.5372, 0.2733

Previews

White Background



This preview shows how the Yxy color 34.9736, 0.2979, 0.2368 looks on a white background.

Color Contrast Check

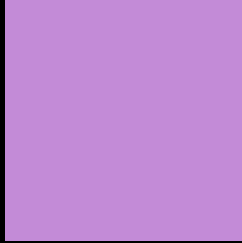
Large Text (above 18pt) WCAG AA × Fail

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 34.9736, 0.2979, 0.2368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

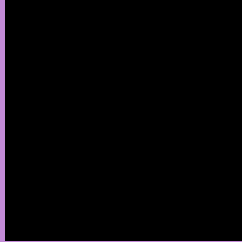
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9736, 0.2979, 0.2368

Background



This preview shows how black text looks on a background with the Yxy color 34.9736, 0.2979, 0.2368.



This preview shows how white text looks on a background with the Yxy color 34.9736, 0.2979, 0.2368.

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

34.9736, 0.2979, 0.2368

Protanopia

35.4292, 0.2427, 0.2344

Deuteranopia

35.0201, 0.2610, 0.2549



Tritanopia

34.9861, 0.3391, 0.3128

Trichromacy



Original Color

34.9736, 0.2979, 0.2368



Protanomaly

34.7841, 0.2599, 0.2341



Deuteranomaly

34.4587, 0.2731, 0.2470



Tritanomaly

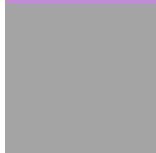
34.8411, 0.3239, 0.2832

Monochromacy



Original Color

34.9736, 0.2979, 0.2368



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.9755, 0.3069, 0.2909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9736, 0.2979, 0.2368 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(195, 139, 215)` looks like.

```
.text, #text, p{  
    color:rgb(195, 139, 215)  
}
```

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(195, 139, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 139, 215) }
```

Border

The CSS property to change the border of an element to Yxy 34.9736, 0.2979, 0.2368 is called "border". The border property can be set on classes, ids or directly on the HTML element.

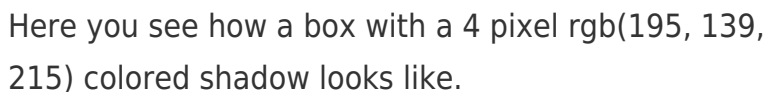
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 139, 215) }
```

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

```
.border{ border-color:rgb(195, 139, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 139, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 139, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 139, 215); box-shadow:4px 4px 4px 4px rgb(195, 139, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9736, 0.2979, 0.2368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 139, 215) }
```

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

```
.background{ background-color: rgb(195,  
139, 215) }
```

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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