

Converting Colors

$Y_{xy}(35.0917, 0.2943, 0.2340)$

Have a look what the booklet for
Yxy(35.0917, 0.2943, 0.2340)
contains.

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Color

Yxy(34.9965, 0.2945, 0.2335)

Conversions

Conversions Part 1

Format	Color
Hex	C28BDA
RGB	194, 139, 218
RGB Percent	76%, 55%, 85%
CMY	0.2391, 0.4549, 0.1452
CMYK	0.11, 0.36, 0.00, 0.15
HSL	282°, 52%, 70%
HSV	282°, 36%, 85%
XYZ	44.1391, 34.9965, 70.7424
YIQ	164.4510, 7.4210, 36.2290

Conversions

Conversions Part 2

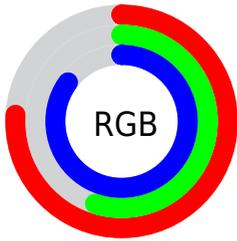
Format	Color
RYB	194, 139, 218
Decimal	12749786
CIELab	65.75, 34.84, -32.28
CIELCh	66, 47.499, 317.186
Yxy	34.9965, 0.2945, 0.2335
Android (android.graphics.Color)	4290939866 (0xFFC28BDA)
YUV	164.4510, 26.3997, 25.9145
Hunter-Lab	59.1578, 29.6568, -29.4899

Details

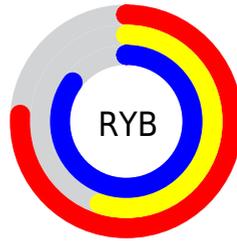
The Yxy color **34.9965, 0.2945, 0.2335** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **59.7752, 0.3243, 0.4326**, and the grayscale version is **37.2209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8692, 0.3126, 0.2677**, and **15.1128, 0.2868, 0.2089** is the 20% darker color. If you saturate the color by 10%, you get **28.4476, 0.2876, 0.2064**, and if you desaturate by 10%, it is **42.8456, 0.3006, 0.2610**.

Distribution



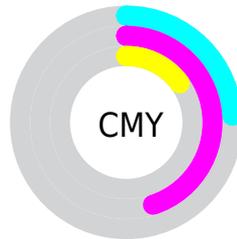
- Red (76%)
- Green (55%)
- Blue (85%)



- Red (76%)
- Yellow (55%)
- Blue (85%)



- Cyan (11%)
- Magenta (36%)
- Yellow (0%)
- Black (15%)



- Cyan (24%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.9965, 0.2945, 0.2335 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 34.9965, 0.2945, 0.2335 by changing the saturation by 10% instead.

 34.9965, 0.2945,
0.2335

 34.9965, 0.2945,
0.2335

324.5529, 0.3051,
0.2796

 23.6602, 0.2915,
0.2226

 67.4803, 0.2987,
0.2498

 15.0817, 0.2873,
0.2090

 89.3967, 0.3001,
0.2561

 8.8768, 0.2815,
0.1916

 115.6084, 0.3013,
0.2614

 4.6609, 0.2728,
0.1688

146.5000, 0.3023,
0.2661

 2.0497, 0.2588,
0.1379

182.4559, 0.3032,
0.2701

 0.6361, 0.2351,
0.0925

223.8604, 0.3039,

 0.0000, 0.1696,

0.2737

0.0000

271.0979, 0.3045,
0.2768

0.0000, 0.0000,
0.0000

34.9965, 0.2945,
0.2335

34.9965, 0.2945,
0.2335

28.4476, 0.2876,
0.2064

42.8456, 0.3006,
0.2610

23.1187, 0.2801,
0.1809

52.0601, 0.3059,
0.2879

18.9278, 0.2720,
0.1581

62.7056, 0.3103,
0.3137

15.7801, 0.2637,
0.1390

74.8427, 0.3140,
0.3379

13.5657, 0.2555,
0.1246

88.5281, 0.3171,
0.3603

 12.1466, 0.2476,
0.1151

 94.0195, 0.3208,
0.3667

 11.7260, 0.2447,
0.1122

 95.1570, 0.3250,
0.3662

 96.3366, 0.3293,
0.3657

 97.5588, 0.3336,
0.3652

Harmonies

Analogous

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



34.9965, 0.2331, 0.2181



34.9965, 0.2945, 0.2335



34.9965, 0.3692, 0.2682

Triad

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



34.9965, 0.2945, 0.2335



34.9965, 0.4385, 0.4223



34.9965, 0.2043, 0.3251

Complementary

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



34.9965, 0.2945, 0.2335



59.7752, 0.3243, 0.4326

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.



34.9965, 0.2506, 0.4024



34.9965, 0.2945, 0.2335



34.9965, 0.3858, 0.4586

Square

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



34.9965, 0.2945, 0.2335



34.9965, 0.4578, 0.3703



34.9965, 0.3169, 0.4557



34.9965, 0.1863, 0.2614

Rectangle

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



34.9965, 0.2945, 0.2335



34.9965, 0.4145, 0.2992



34.9965, 0.3169, 0.4557



34.9965, 0.2168, 0.3508

Sweetspot

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



34.9980, 0.2945, 0.2335



81.8135, 0.3082, 0.3014



37.1022, 0.2518, 0.2555



17.0702, 0.3076, 0.2978



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.



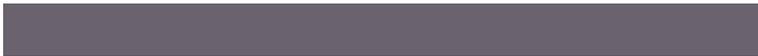
34.9980, 0.2945, 0.2335



43.0693, 0.2897, 0.2141



37.7011, 0.3305, 0.2544



13.0665, 0.3090, 0.3056



7.0854, 0.2458, 0.1128



0.5033, 0.2584, 0.1197

Inverse Universe

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



36.0077, 0.3730, 0.3002



44.8561, 0.3907, 0.2945



57.9353, 0.2991, 0.4175



13.1162, 0.3244, 0.3219



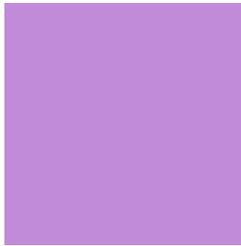
9.1830, 0.5740, 0.2936



0.6100, 0.5272, 0.2678

Previews

White Background



This preview shows how the Yxy color 34.9965, 0.2945, 0.2335 looks on a white background.

Color Contrast Check

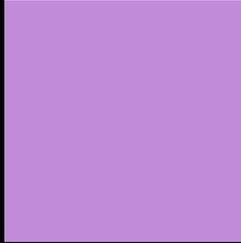
Large Text (above 18pt) WCAG AA × Fail

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 34.9965, 0.2945, 0.2335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

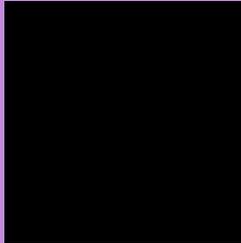
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9965, 0.2945, 0.2335

Background



This preview shows how black text looks on a background with the Yxy color 34.9965, 0.2945, 0.2335.



This preview shows how white text looks on a background with the Yxy color 34.9965, 0.2945, 0.2335.

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

34.9965, 0.2945, 0.2335

Protanopia

35.1480, 0.2389, 0.2285

Deuteranopia

35.3285, 0.2576, 0.2525



Tritanopia

34.8604, 0.3380, 0.3128

Trichromacy



Original Color

34.9965, 0.2945, 0.2335



Protanomaly

34.4820, 0.2556, 0.2282



Deuteranomaly

34.8260, 0.2702, 0.2448



Tritanomaly

34.7540, 0.3220, 0.2818

Monochromacy



Original Color

34.9965, 0.2945, 0.2335



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

36.0173, 0.3060, 0.2896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9965, 0.2945, 0.2335 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(194, 139, 218)` looks like.

```
.text, #text, p{  
    color:rgb(194, 139, 218)  
}
```

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(194, 139, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 139, 218) }
```

Border

The CSS property to change the border of an element to Yxy 34.9965, 0.2945, 0.2335 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(194, 139, 218) }
```

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

```
.border{ border-color:rgb(194, 139, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 139, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 139, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 139, 218);  
box-shadow:4px 4px 4px 4px rgb(194, 139,  
218) }
```

Background

The CSS property to change the background color of an element to Yxy 34.9965, 0.2945, 0.2335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 139, 218) }
```

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

```
.background{ background-color: rgb(194,  
139, 218) }
```

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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