

Converting Colors

$Y_{xy}(34.0973, 0.2573, 0.2029)$

Have a look what the booklet for
Yxy(34.0973, 0.2573, 0.2029)
contains.

Yxy(34.0565, 0.2571, 0.2028)	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(34.0565, 0.2571, 0.2028)

Conversions

Conversions Part 1

Format	Color
Hex	AE8BF5
RGB	174, 139, 245
RGB Percent	68%, 55%, 96%
CMY	0.3176, 0.4549, 0.0391
CMYK	0.29, 0.43, 0.00, 0.04
HSL	260°, 84%, 75%
HSV	260°, 43%, 96%
XYZ	43.1752, 34.0565, 90.6998
YIQ	161.5490, -13.1660, 40.3860

Conversions

Conversions Part 2

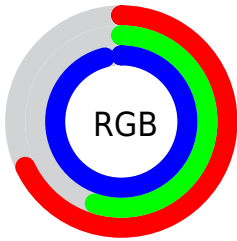
Format	Color
RYB	174, 139, 245
Decimal	11439093
CIELab	65.01, 35.19, -48.51
CIELCh	65, 59.932, 305.953
Yxy	34.0565, 0.2571, 0.2028
Android (android.graphics.Color)	4289629173 (0xFFAE8BF5)
YUV	161.5490, 41.1413, 10.9195
Hunter-Lab	58.3579, 29.9339, -51.2978

Details

The Yxy color **34.0565, 0.2571, 0.2028** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **80.8809, 0.3521, 0.4458**, and the grayscale version is **35.7202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5157, 0.2985, 0.2650**, and **14.5322, 0.2401, 0.1730** is the 20% darker color. If you saturate the color by 10%, you get **25.9693, 0.2406, 0.1708**, and if you desaturate by 10%, it is **43.9663, 0.2725, 0.2349**.

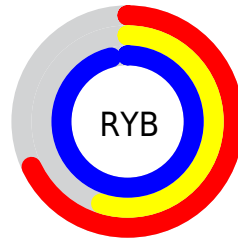
Distribution



Red (68%)

Green (55%)

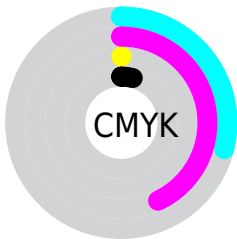
Blue (96%)



Red (68%)

Yellow (55%)

Blue (96%)

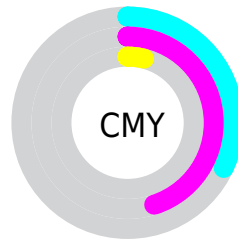


Cyan (29%)

Magenta (43%)

Yellow (0%)

Black (4%)



Cyan (32%)


Magenta (45%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0565, 0.2571, 0.2028 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 34.0565, 0.2571, 0.2028 by changing the saturation by 10% instead.

 34.0565, 0.2571,
0.2028


 34.0565, 0.2571,
0.2028

320.3839, 0.2867,
0.2623

 22.9370, 0.2494,
0.1893


 66.0215, 0.2681,
0.2234

 14.5470, 0.2396,
0.1729


 87.6358, 0.2722,
0.2315

 8.5021, 0.2265,
0.1526


 113.5172, 0.2756,
0.2384

 4.4179, 0.2085,
0.1272

144.0501, 0.2785,
0.2444

 1.9099, 0.1830,
0.0955

179.6188, 0.2810,
0.2497

 0.5543, 0.1461,
0.0536

220.6077, 0.2832,

 0.0000, 0.0738,

0.2544

0.0000

267.4013, 0.2850,
0.2585

0.0000, 0.0000,
0.0000

34.0565, 0.2571,
0.2028

34.0565, 0.2571,
0.2028

25.9693, 0.2406,
0.1708

43.9663, 0.2725,
0.2349

19.5851, 0.2237,
0.1406

55.8001, 0.2865,
0.2658

14.7755, 0.2073,
0.1141

69.6564, 0.2988,
0.2946

11.3915, 0.1923,
0.0932

85.6259, 0.3096,
0.3210

9.2535, 0.1796,
0.0788

99.3738, 0.3185,
0.3386

■ 8.3411, 0.1725,
0.0724

Harmonies

Analogous

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



34.0565, 0.1940, 0.1936



34.0565, 0.2571, 0.2028



34.0565, 0.3472, 0.2360

Triad

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



34.0565, 0.2571, 0.2028



34.0565, 0.4832, 0.4151



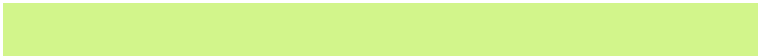
34.0565, 0.1948, 0.3593

Complementary

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



34.0565, 0.2571, 0.2028



80.8809, 0.3521, 0.4458

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.



34.0565, 0.2612, 0.4584



34.0565, 0.2571, 0.2028



34.0565, 0.4277, 0.4749

Square

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



34.0565, 0.2571, 0.2028



34.0565, 0.4910, 0.3496



34.0565, 0.3466, 0.5016



34.0565, 0.1621, 0.2671

Rectangle

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



34.0565, 0.2571, 0.2028



34.0565, 0.4107, 0.2690



34.0565, 0.3466, 0.5016



34.0565, 0.2135, 0.3946

Sweetspot

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



34.0578, 0.2571, 0.2028



76.6733, 0.2991, 0.2953



58.8917, 0.2471, 0.2879



15.6483, 0.2966, 0.2891



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.



34.0578, 0.2571, 0.2028



29.3672, 0.2426, 0.1745



41.1577, 0.3006, 0.2172



16.1926, 0.3031, 0.3049



4.5597, 0.1741, 0.0733



0.4544, 0.1875, 0.0807

Inverse Universe

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



42.5315, 0.3501, 0.2545



39.9902, 0.3609, 0.2404



74.4937, 0.3178, 0.4596



16.6697, 0.3189, 0.3133



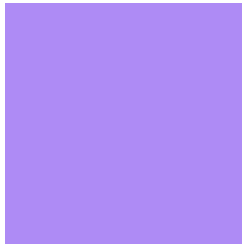
11.9296, 0.4263, 0.2122



1.0674, 0.4097, 0.2031

Previews

White Background



This preview shows how the Yxy color 34.0565, 0.2571, 0.2028 looks on a white background.

Color Contrast Check

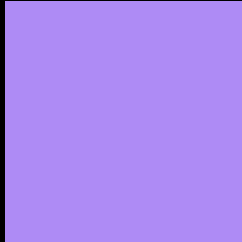
Large Text (above 18pt) WCAG AA × Fail

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 34.0565, 0.2571, 0.2028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

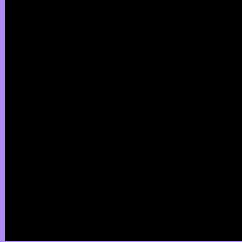
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0565, 0.2571, 0.2028

Background



This preview shows how black text looks on a background with the Yxy color 34.0565, 0.2571, 0.2028.



This preview shows how white text looks on a background with the Yxy color 34.0565, 0.2571, 0.2028.

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

34.0565, 0.2571, 0.2028

Protanopia

34.5142, 0.2177, 0.2018

Deuteranopia

34.2467, 0.2240, 0.2175



Tritanopia

33.9750, 0.3049, 0.3115

Trichromacy



Original Color

34.0565, 0.2571, 0.2028

Protanomaly

33.8632, 0.2296, 0.2012

Deuteranomaly

33.6268, 0.2345, 0.2107

Tritanomaly

33.6907, 0.2856, 0.2659

Monochromacy



Original Color

34.0565, 0.2571, 0.2028

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.0240, 0.2909, 0.2768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0565, 0.2571, 0.2028 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(174, 139, 245)` looks like.

```
.text, #text, p{  
    color:rgb(174, 139, 245)  
}
```

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(174, 139, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 139, 245) }
```

Border

The CSS property to change the border of an element to Yxy 34.0565, 0.2571, 0.2028 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(174, 139, 245) }
```

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

```
.border{ border-color:rgb(174, 139, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 139, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 139, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 139, 245);  
box-shadow:4px 4px 4px 4px rgb(174, 139,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0565, 0.2571, 0.2028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 139, 245) }
```

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

```
.background{ background-color: rgb(174,  
139, 245) }
```

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