

Converting Colors

$Y_{xy}(34.8566, 0.2572, 0.1936)$

Have a look what the booklet for
Yxy(34.8566, 0.2572, 0.1936)
contains.

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Color

Yxy(34.8956, 0.2574, 0.1937)

Conversions

Conversions Part 1

Format	Color
Hex	B788FF
RGB	183, 136, 255
RGB Percent	72%, 53%, 100%
CMY	0.2825, 0.4666, 0.0001
CMYK	0.28, 0.47, 0.00, 0.00
HSL	264°, 100%, 77%
HSV	264°, 47%, 100%
XYZ	46.3713, 34.8956, 98.8859
YIQ	163.6190, -10.1870, 46.9730

Conversions

Conversions Part 2

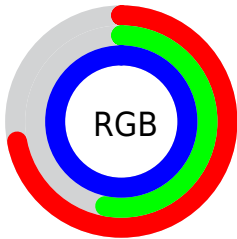
Format	Color
RYB	183, 136, 255
Decimal	12028159
CIELab	65.67, 41.60, -52.88
CIElCh	66, 67.280, 308.196
Yxy	34.8956, 0.2574, 0.1937
Android (android.graphics.Color)	4290218239 (0xFFB788FF)
YUV	163.6190, 45.0508, 16.9971
Hunter-Lab	59.0725, 36.7439, -57.8992

Details

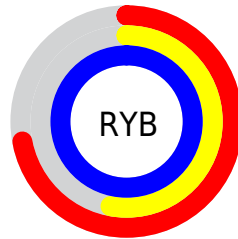
The Yxy color **34.8956, 0.2574, 0.1937** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.7079, 0.3495, 0.4576**, and the grayscale version is **36.7202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7477, 0.3051, 0.2632**, and **15.0862, 0.2401, 0.1632** is the 20% darker color. If you saturate the color by 10%, you get **26.7570, 0.2420, 0.1630**, and if you desaturate by 10%, it is **44.9528, 0.2719, 0.2252**.

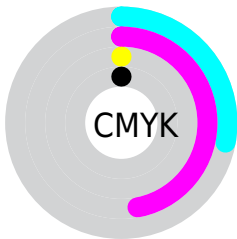
Distribution



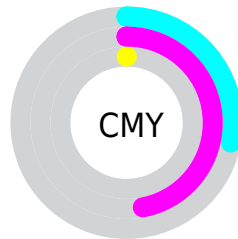
- Red (72%)
- Green (53%)
- Blue (100%)



- Red (72%)
- Yellow (53%)
- Blue (100%)



- Cyan (28%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)




- Cyan (28%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8956, 0.2574, 0.1937 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 34.8956, 0.2574, 0.1937 by changing the saturation by 10% instead.

 34.8956, 0.2574,
0.1937


 34.8956, 0.2574,
0.1937


324.1073, 0.2870,
0.2562

 23.5825, 0.2498,
0.1799


 67.3240, 0.2684,
0.2151

 15.0242, 0.2400,
0.1633


 89.2081, 0.2724,
0.2235

 8.8364, 0.2271,
0.1430


 115.3846, 0.2759,
0.2308

 4.6346, 0.2096,
0.1180

146.2379, 0.2788,
0.2372

 2.0345, 0.1849,
0.0876

182.1524, 0.2812,
0.2428

 0.6274, 0.1497,
0.0502

223.5126, 0.2834,

 0.0000, 0.0956,

0.2478


0.0000

270.7027, 0.2853,
0.2522

 0.0000, 0.0000,
0.0000


 34.8956, 0.2574,
0.1937

 34.8956, 0.2574,
0.1937


 26.7570, 0.2420,
0.1630

 44.9528, 0.2719,
0.2252

 20.4033, 0.2263,
0.1348


 57.0419, 0.2850,
0.2560

 15.6892, 0.2111,
0.1108

 71.2719, 0.2967,
0.2853

 12.4437, 0.1972,
0.0925

 87.7428, 0.3068,
0.3123

 10.4531, 0.1852,
0.0805

99.9990, 0.3127,
0.3290

■ 9.9614, 0.1817,
0.0775

Harmonies

Analogous

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



34.8956, 0.1870, 0.1815



34.8956, 0.2574, 0.1937



34.8956, 0.3584, 0.2310

Triad

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



34.8956, 0.2574, 0.1937



34.8956, 0.4958, 0.4246



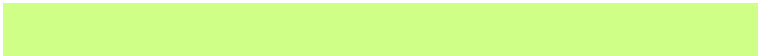
34.8956, 0.1788, 0.3529

Complementary

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



34.8956, 0.2574, 0.1937



86.7079, 0.3495, 0.4576

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.



34.8956, 0.2478, 0.4684



34.8956, 0.2574, 0.1937



34.8956, 0.4301, 0.4916

Square

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



34.8956, 0.2574, 0.1937



34.8956, 0.5116, 0.3537



34.8956, 0.3400, 0.5217



34.8956, 0.1476, 0.2531

Rectangle

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



34.8956, 0.2574, 0.1937



34.8956, 0.4289, 0.2671



34.8956, 0.3400, 0.5217



34.8956, 0.1978, 0.3931

Sweetspot

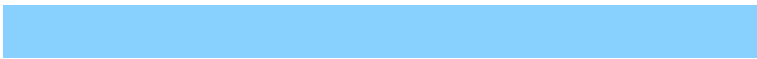
The Sweet Spot groups the original color and five complimentary colors.



34.8969, 0.2574, 0.1937



75.4277, 0.2995, 0.2927



58.2460, 0.2405, 0.2741



15.4200, 0.2972, 0.2867



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.



34.8969, 0.2574, 0.1937



27.2353, 0.2430, 0.1650



43.5552, 0.3061, 0.2110



17.7272, 0.3041, 0.3049



5.2862, 0.1833, 0.0784



0.5759, 0.1959, 0.0853

Inverse Universe

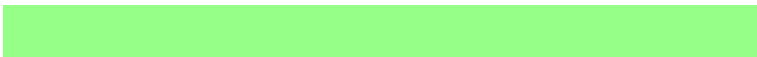
The Inverse Universe completely reimagines the original color for something new.



43.4310, 0.3620, 0.2559



37.0009, 0.3765, 0.2430



79.7641, 0.3132, 0.4735



18.1719, 0.3199, 0.3147



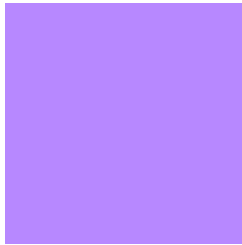
12.3654, 0.4521, 0.2264



1.2255, 0.4331, 0.2159

Previews

White Background



This preview shows how the Yxy color 34.8956, 0.2574, 0.1937 looks on a white background.

Color Contrast Check

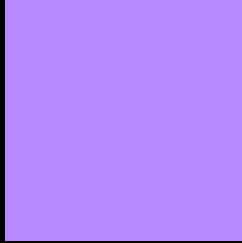
Large Text (above 18pt) WCAG AA × Fail

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 34.8956, 0.2574, 0.1937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

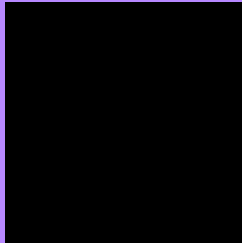
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8956, 0.2574, 0.1937

Background



This preview shows how black text looks on a background with the Yxy color 34.8956, 0.2574, 0.1937.



This preview shows how white text looks on a background with the Yxy color 34.8956, 0.2574, 0.1937.

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

34.8956, 0.2574, 0.1937

Protanopia

35.0619, 0.2196, 0.2035

Deuteranopia

35.4232, 0.2176, 0.2119



Tritanopia

34.8196, 0.3125, 0.3119

Trichromacy



Original Color

34.8956, 0.2574, 0.1937

Protanomaly

34.6442, 0.2315, 0.1990

Deuteranomaly

34.4799, 0.2290, 0.2027

Tritanomaly

34.5493, 0.2904, 0.2613

Monochromacy



Original Color

34.8956, 0.2574, 0.1937

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

35.8003, 0.2913, 0.2713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8956, 0.2574, 0.1937 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(183, 136, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 136, 255)  
}
```

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(183, 136, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 136, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.8956, 0.2574, 0.1937 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(183, 136, 255) }
```

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

```
.border{ border-color:rgb(183, 136, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 136, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 136, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 136, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 136,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8956, 0.2574, 0.1937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 136, 255) }
```

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

```
.background{ background-color: rgb(183,  
136, 255) }
```

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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