

# Converting Colors

Yxy(34.4568, 0.2637, 0.1963)

Have a look what the booklet for  
Yxy(34.4568, 0.2637, 0.1963)  
contains.

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# Color

**Yxy(34.5171, 0.2637, 0.1967)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | BB86FA                     |
| RGB           | 187, 134, 250              |
| RGB Percent   | 73%, 53%, 98%              |
| CMY           | 0.2667, 0.4745, 0.0195     |
| CMYK          | 0.25, 0.46, 0.00, 0.02     |
| HSL           | 267°, 92%, 75%             |
| HSV           | 267°, 46%, 98%             |
| XYZ           | 46.2743, 34.5171, 94.6895  |
| YIQ           | 163.0710, -5.6480, 47.3120 |

# Conversions

## Conversions Part 2

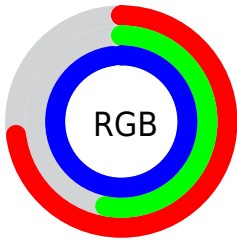
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 187, 134, 250                 |
| Decimal                             | 12289786                      |
| CIE Lab                             | 65.37, 42.61, -50.61          |
| CIE LCh                             | 65, 66.154, 310.093           |
| Yxy                                 | 34.5171, 0.2637,<br>0.1967    |
| Android<br>(android.graphics.Color) | 4290479866<br>(0xFFBB86FA)    |
| YUV                                 | 163.0710, 42.8560,<br>20.9857 |
| Hunter-Lab                          | 58.7513, 37.7775,<br>-54.4319 |

# Details

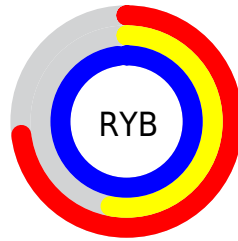
The Yxy color **34.5171, 0.2637, 0.1967** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **81.9877, 0.3444, 0.4589**, and the grayscale version is **36.4575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5989, 0.3082, 0.2618**, and **14.8621, 0.2478, 0.1668** is the 20% darker color. If you saturate the color by 10%, you get **26.7715, 0.2498, 0.1670**, and if you desaturate by 10%, it is **44.0611, 0.2767, 0.2273**.

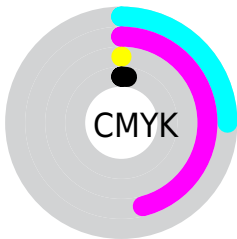
# Distribution



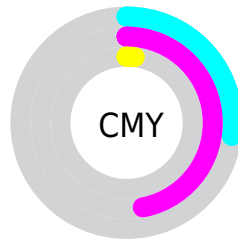
- Red (73%)
- Green (53%)
- Blue (98%)



- Red (73%)
- Yellow (53%)
- Blue (98%)



- Cyan (25%)
- Magenta (46%)
- Yellow (0%)
- Black (2%)




- Cyan (27%)
- Magenta (47%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.5171, 0.2637, 0.1967 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 34.5171, 0.2637, 0.1967 by changing the saturation by 10% instead.





 34.5171, 0.2637,  
0.1967


 34.5171, 0.2637,  
0.1967


322.4317, 0.2903,  
0.2581

 23.2911, 0.2567,  
0.1830


 66.7370, 0.2737,  
0.2178

 14.8086, 0.2477,  
0.1665


 88.4997, 0.2773,  
0.2261

 8.6852, 0.2357,  
0.1463


 114.5435, 0.2804,  
0.2332

 4.5364, 0.2192,  
0.1213

145.2527, 0.2830,  
0.2395

 1.9779, 0.1955,  
0.0904

181.0117, 0.2852,  
0.2450

 0.5946, 0.1609,  
0.0514

222.2049, 0.2871,

 0.0000, 0.1051,

0.2499

0.0000

269.2168, 0.2888,  
0.2542

0.0000, 0.0000,  
0.0000

34.5171, 0.2637,  
0.1967

34.5171, 0.2637,  
0.1967

26.7715, 0.2498,  
0.1670

44.0611, 0.2767,  
0.2273

20.6989, 0.2354,  
0.1397

55.5091, 0.2884,  
0.2575

16.1634, 0.2212,  
0.1164

68.9635, 0.2988,  
0.2862

13.0051, 0.2080,  
0.0985

84.5176, 0.3077,  
0.3130

11.0251, 0.1962,  
0.0866

99.6677, 0.3155,  
0.3337

■ 10.4929, 0.1923,  
0.0833

■ 99.6840, 0.3156,  
0.3337

# Harmonies

## Analogous

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



34.5171, 0.1917, 0.1829



34.5171, 0.2637, 0.1967



34.5171, 0.3647, 0.2351

# Triad

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



34.5171, 0.2637, 0.1967



34.5171, 0.4910, 0.4286



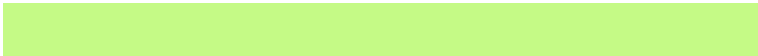
34.5171, 0.1773, 0.3454

# Complementary

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



34.5171, 0.2637, 0.1967



81.9877, 0.3444, 0.4589

# 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.



34.5171, 0.2435, 0.4601



34.5171, 0.2637, 0.1967



34.5171, 0.4240, 0.4934

# Square

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



34.5171, 0.2637, 0.1967



34.5171, 0.5101, 0.3582



34.5171, 0.3341, 0.5184



34.5171, 0.1486, 0.2495



# Rectangle

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



34.5171, 0.2637, 0.1967



34.5171, 0.4334, 0.2716



34.5171, 0.3341, 0.5184



34.5171, 0.1953, 0.3848

# Sweetspot

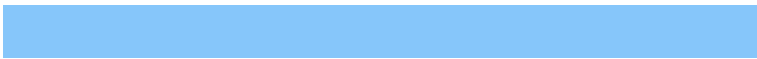
The Sweet Spot groups the original color and five complimentary colors.



34.5184, 0.2637, 0.1967



75.8045, 0.3010, 0.2928



52.2778, 0.2391, 0.2646



15.5114, 0.2990, 0.2869



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.



34.5184, 0.2637, 0.1967



28.2475, 0.2503, 0.1680



43.2294, 0.3129, 0.2141



17.0312, 0.3051, 0.3050



5.6475, 0.1940, 0.0843



0.5852, 0.2072, 0.0915



# Inverse Universe

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



41.4144, 0.3691, 0.2634



36.6012, 0.3868, 0.2513



75.6694, 0.3089, 0.4744



17.3830, 0.3208, 0.3162



11.7504, 0.4779, 0.2406



1.1097, 0.4539, 0.2274



# Previews

## White Background



This preview shows how the Yxy color 34.5171, 0.2637, 0.1967 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

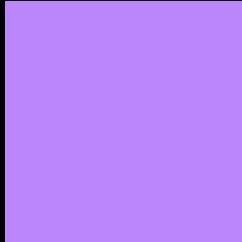
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.5171, 0.2637, 0.1967 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

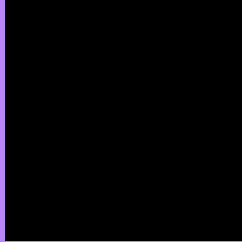
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.5171, 0.2637, 0.1967**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.5171, 0.2637, 0.1967.



This preview shows how white text looks on a background with the Yxy color 34.5171, 0.2637, 0.1967.

# 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

34.5171, 0.2637, 0.1967

### Protanopia

34.9900, 0.2190, 0.2034

### Deuteranopia

35.0337, 0.2216, 0.2159



## Tritanopia

34.3063, 0.3195, 0.3107

# Trichromacy



## Original Color

34.5171, 0.2637, 0.1967



## Protanomaly

34.2010, 0.2323, 0.1995



## Deuteranomaly

34.1908, 0.2338, 0.2067



## Tritanomaly

33.9361, 0.2966, 0.2615

# Monochromacy



## Original Color

34.5171, 0.2637, 0.1967



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

35.1673, 0.2938, 0.2712

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.5171, 0.2637, 0.1967 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(187, 134, 250)` looks like.

```
.text, #text, p{  
    color:rgb(187, 134, 250)  
}
```

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(187, 134, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 134, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 34.5171, 0.2637, 0.1967 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(187, 134, 250) }
```

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

```
.border{ border-color:rgb(187, 134, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 134, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 134, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 134, 250);  
box-shadow:4px 4px 4px 4px rgb(187, 134,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.5171, 0.2637, 0.1967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 134, 250) }
```

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

```
.background{ background-color: rgb(187,  
134, 250) }
```

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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