

# Converting Colors

$Yxy(37.6955, 0.2344, 0.1615)$

Have a look what the booklet for  
Yxy(37.6955, 0.2344, 0.1615)  
contains.

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# Color

**Yxy(34.4342, 0.2595, 0.1914)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA85FF
RGB	186, 133, 255
RGB Percent	73%, 52%, 100%
CMY	0.2706, 0.4784, 0.0000
CMYK	0.27, 0.48, 0.00, 0.00
HSL	266°, 100%, 76%
HSV	266°, 48%, 100%
XYZ	46.6859, 34.4342, 98.7869
YIQ	162.7550, -7.5740, 49.1780

# Conversions

## Conversions Part 2

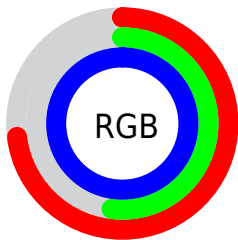
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	186, 133, 255
Decimal	12223999
CIELab	65.31, 44.05, -53.43
CIELCh	65, 69.250, 309.501
Yxy	34.4342, 0.2595, 0.1914
Android (android.graphics.Color)	4290414079 (0xFFBA85FF)
YUV	162.7550, 45.4768, 20.3859
Hunter-Lab	58.6807, 39.3220, -58.7363

# Details

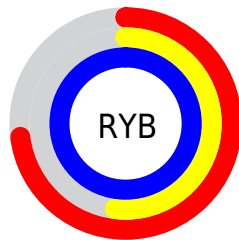
The Yxy color **34.4342, 0.2595, 0.1914** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.7653, 0.3469, 0.4624**, and the grayscale version is **36.2901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9937, 0.3075, 0.2607**, and **14.8576, 0.2426, 0.1608** is the 20% darker color. If you saturate the color by 10%, you get **26.5641, 0.2449, 0.1615**, and if you desaturate by 10%, it is **44.1837, 0.2732, 0.2223**.

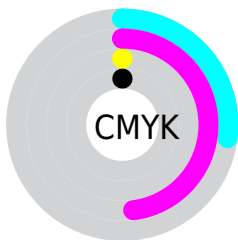
# Distribution



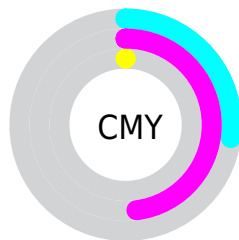
- Red (73%)
- Green (52%)
- Blue (100%)



- Red (73%)
- Yellow (52%)
- Blue (100%)



- Cyan (27%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (48%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4342, 0.2595, 0.1914 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 34.4342, 0.2595, 0.1914 by changing the saturation by 10% instead.





 34.4342, 0.2595,  
0.1914


 34.4342, 0.2595,  
0.1914


322.0638, 0.2882,  
0.2548


 23.2274, 0.2521,  
0.1774


 66.6083, 0.2702,  
0.2131

 14.7615, 0.2425,  
0.1606

 88.3444, 0.2742,  
0.2216

 8.6522, 0.2298,  
0.1402


 114.3590, 0.2775,  
0.2290

 4.5150, 0.2125,  
0.1152

145.0365, 0.2803,  
0.2355

 1.9656, 0.1880,  
0.0848

180.7614, 0.2827,  
0.2412

 0.5874, 0.1530,  
0.0471

221.9179, 0.2848,

 0.0000, 0.0992,

0.2463

0.0000


268.8906, 0.2866,  
0.2508

 0.0000, 0.0000,  
0.0000

 34.4342, 0.2595,  
0.1914


 34.4342, 0.2595,  
0.1914


 26.5641, 0.2449,  
0.1615


 44.1837, 0.2732,  
0.2223


 20.4393, 0.2301,  
0.1343


 55.9260, 0.2856,  
0.2529

 15.9136, 0.2156,  
0.1115

 69.7699, 0.2966,  
0.2821

 12.8136, 0.2022,  
0.0943

 85.8153, 0.3062,  
0.3093

 10.9094, 0.1906,  
0.0831

99.9995, 0.3127,  
0.3290

■ 10.5846, 0.1883,  
0.0811

# Harmonies

## Analogous

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



34.4342, 0.1859, 0.1777



34.4342, 0.2595, 0.1914



34.4342, 0.3646, 0.2305

# Triad

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



34.4342, 0.2595, 0.1914



34.4342, 0.4985, 0.4291



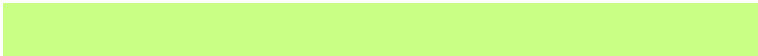
34.4342, 0.1726, 0.3480

# Complementary

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



34.4342, 0.2595, 0.1914



85.7653, 0.3469, 0.4624

# 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.



34.4342, 0.2415, 0.4694



34.4342, 0.2595, 0.1914



34.4342, 0.4287, 0.4982

# Square

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



34.4342, 0.2595, 0.1914



34.4342, 0.5185, 0.3564



34.4342, 0.3355, 0.5282



34.4342, 0.1429, 0.2469



# Rectangle

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



34.4342, 0.2595, 0.1914



34.4342, 0.4370, 0.2677



34.4342, 0.3355, 0.5282



34.4342, 0.1914, 0.3897

# Sweetspot

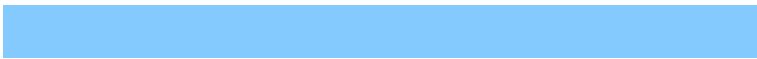
The Sweet Spot groups the original color and five complimentary colors.



34.4355, 0.2595, 0.1914



75.6694, 0.3005, 0.2928



54.5096, 0.2373, 0.2647



15.4786, 0.2983, 0.2868



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.



34.4355, 0.2595, 0.1914



27.1574, 0.2462, 0.1640



43.7451, 0.3111, 0.2102



17.7637, 0.3047, 0.3049



5.6155, 0.1900, 0.0820



0.6099, 0.2026, 0.0890



# Inverse Universe

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



42.2995, 0.3688, 0.2588



36.1358, 0.3849, 0.2472



78.8839, 0.3098, 0.4792



18.1592, 0.3205, 0.3156



12.1950, 0.4687, 0.2356

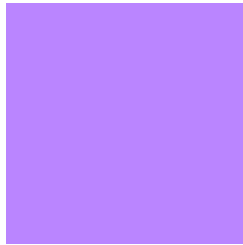


1.2093, 0.4472, 0.2237



# Previews

## White Background



This preview shows how the Yxy color 34.4342, 0.2595, 0.1914 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

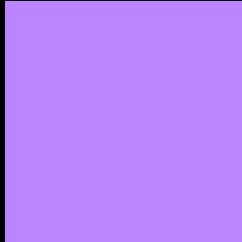
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.4342, 0.2595, 0.1914 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 34.4342, 0.2595, 0.1914**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.4342, 0.2595, 0.1914.



This preview shows how white text looks on a background with the Yxy color 34.4342, 0.2595, 0.1914.

# 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

34.4342, 0.2595, 0.1914

### Protanopia

34.9189, 0.2185, 0.2032

### Deuteranopia

34.9496, 0.2164, 0.2103



## Tritanopia

34.4104, 0.3175, 0.3120

# Trichromacy



## Original Color

34.4342, 0.2595, 0.1914



## Protanomaly

34.2394, 0.2306, 0.1976



## Deuteranomaly

34.1593, 0.2287, 0.2014



## Tritanomaly

33.8651, 0.2948, 0.2601

# Monochromacy



## Original Color

34.4342, 0.2595, 0.1914



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

35.0999, 0.2920, 0.2698

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.4342, 0.2595, 0.1914 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(186, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 133, 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(186, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 133, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 34.4342, 0.2595, 0.1914 is called "border". The border property can be set on classes, ids or directly on the HTML element.

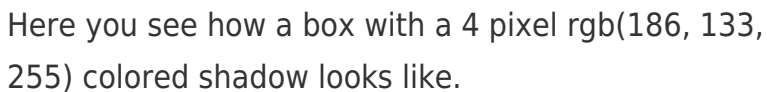
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 133, 255) }
```

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

```
.border{ border-color:rgb(186, 133, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 133, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 133, 255); box-shadow:4px 4px 4px 4px rgb(186, 133, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.4342, 0.2595, 0.1914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 133, 255) }
```

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

```
.background{ background-color: rgb(186,  
133, 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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