

# Converting Colors

$Y_{xy}(33.5855, 0.2570, 0.1898)$

Have a look what the booklet for  
Yxy(33.5855, 0.2570, 0.1898)  
contains.

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# Color

**Yxy(33.6034, 0.2568, 0.1900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B684FE
RGB	182, 132, 254
RGB Percent	71%, 52%, 100%
CMY	0.2865, 0.4822, 0.0040
CMYK	0.28, 0.48, 0.00, 0.00
HSL	265°, 98%, 76%
HSV	265°, 48%, 100%
XYZ	45.4176, 33.6034, 97.8390
YIQ	160.8580, -9.3620, 48.5420

# Conversions

## Conversions Part 2

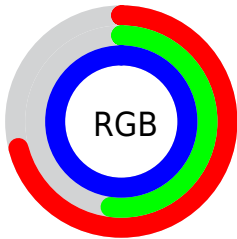
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">182, 132, 254</a>
Decimal	<a href="#">11961598</a>
CIELab	<a href="#">64.65, 43.29, -53.95</a>
CIElCh	<a href="#">65, 69.168, 308.741</a>
Yxy	<a href="#">33.6034, 0.2568, 0.1900</a>
Android (android.graphics.Color)	<a href="#">4290151678</a> ( <a href="#">0xFFB684FE</a> )
YUV	<a href="#">160.8580, 45.9190, 18.5415</a>
Hunter-Lab	<a href="#">57.9684, 38.4081, -59.4916</a>

# Details

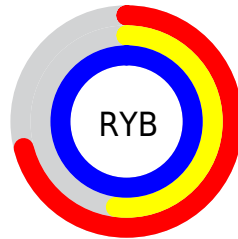
The Yxy color **33.6034, 0.2568, 0.1900** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.3848, 0.3491, 0.4620**, and the grayscale version is **35.3579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8631, 0.3045, 0.2590**, and **14.3517, 0.2391, 0.1587** is the 20% darker color. If you saturate the color by 10%, you get **25.8031, 0.2417, 0.1598**, and if you desaturate by 10%, it is **43.2785, 0.2711, 0.2212**.

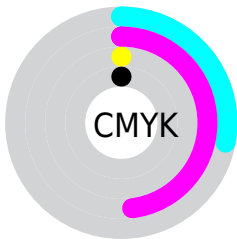
# Distribution



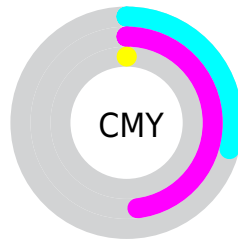
- Red (71%)
- Green (52%)
- Blue (100%)



- Red (71%)
- Yellow (52%)
- Blue (100%)



- Cyan (28%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (48%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6034, 0.2568, 0.1900 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 33.6034, 0.2568, 0.1900 by changing the saturation by 10% instead.





 33.6034, 0.2568,  
0.1900


 33.6034, 0.2568,  
0.1900


318.3600, 0.2869,  
0.2543

 22.5891, 0.2490,  
0.1758


 65.3164, 0.2680,  
0.2120

 14.2904, 0.2390,  
0.1588


 86.7840, 0.2722,  
0.2207

 8.3229, 0.2257,  
0.1380


 112.5047, 0.2756,  
0.2282

 4.3023, 0.2076,  
0.1126

142.8630, 0.2786,  
0.2347

 1.8440, 0.1821,  
0.0819

178.2433, 0.2811,  
0.2405

 0.5144, 0.1461,  
0.0427

219.0299, 0.2833,

 0.0000, 0.0875,


0.2456


0.0000


265.6074, 0.2852,  
0.2502


 0.0000, 0.0000,  
0.0000


 33.6034, 0.2568,  
0.1900


 33.6034, 0.2568,  
0.1900


 25.8031, 0.2417,  
0.1598


 43.2785, 0.2711,  
0.2212


 19.7438, 0.2263,  
0.1322

 54.9418, 0.2841,  
0.2521

 15.2796, 0.2114,  
0.1091

 68.7020, 0.2957,  
0.2815

 12.2374, 0.1978,  
0.0918

 84.6585, 0.3057,  
0.3088

 10.3845, 0.1862,  
0.0806

99.9343, 0.3133,  
0.3300

■ 10.0933, 0.1841,  
0.0788

# Harmonies

## Analogous

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



33.6034, 0.1838, 0.1769



33.6034, 0.2568, 0.1900



33.6034, 0.3620, 0.2286

# Triad

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



33.6034, 0.2568, 0.1900



33.6034, 0.5007, 0.4275



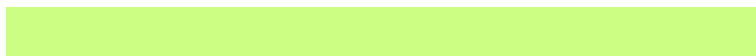
33.6034, 0.1730, 0.3512

# Complementary

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



33.6034, 0.2568, 0.1900



85.3848, 0.3491, 0.4620

# 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.



33.6034, 0.2431, 0.4732



33.6034, 0.2568, 0.1900



33.6034, 0.4313, 0.4975

# Square

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



33.6034, 0.2568, 0.1900



33.6034, 0.5194, 0.3545



33.6034, 0.3379, 0.5298



33.6034, 0.1423, 0.2483



# Rectangle

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



33.6034, 0.2568, 0.1900



33.6034, 0.4353, 0.2657



33.6034, 0.3379, 0.5298



33.6034, 0.1922, 0.3934

# Sweetspot

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



33.6047, 0.2568, 0.1900



75.5168, 0.2999, 0.2927



55.8222, 0.2381, 0.2696



15.4416, 0.2976, 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.



33.6047, 0.2568, 0.1900



26.0398, 0.2417, 0.1598



42.5062, 0.3075, 0.2085



17.7407, 0.3043, 0.3049



5.4034, 0.1857, 0.0797



0.5881, 0.1983, 0.0866



# Inverse Universe

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



41.9428, 0.3659, 0.2556



35.7128, 0.3823, 0.2425



78.4867, 0.3120, 0.4788



18.1672, 0.3201, 0.3150



12.3008, 0.4582, 0.2298

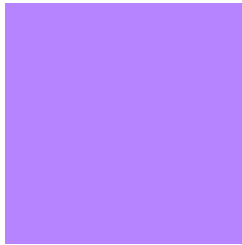


1.2194, 0.4382, 0.2188



# Previews

## White Background



This preview shows how the Yxy color 33.6034, 0.2568, 0.1900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

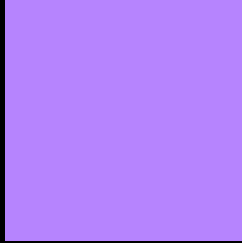
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.6034, 0.2568, 0.1900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

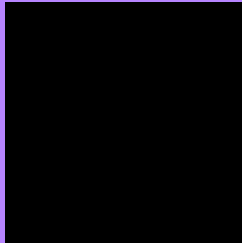
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.6034, 0.2568, 0.1900**

## **Background**



This preview shows how black text looks on a background with the Yxy color 33.6034, 0.2568, 0.1900.

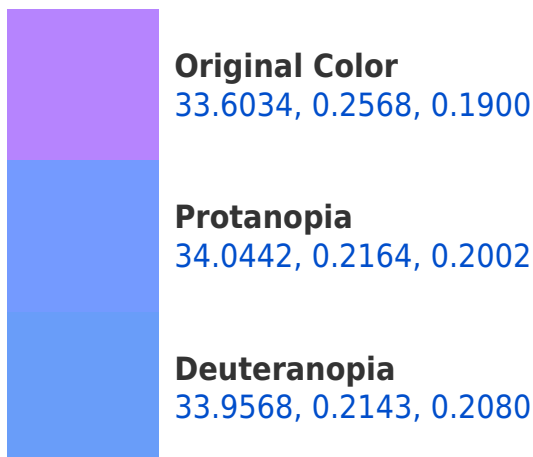


This preview shows how white text looks on a background with the Yxy color 33.6034, 0.2568, 0.1900.

# 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





## Tritanopia

33.4984, 0.3135, 0.3117

# Trichromacy



**Original Color**

33.6034, 0.2568, 0.1900

**Protanomaly**

33.3532, 0.2283, 0.1945

**Deuteranomaly**

33.1314, 0.2263, 0.1990

**Tritanomaly**

32.9399, 0.2909, 0.2590

# Monochromacy



**Original Color**

33.6034, 0.2568, 0.1900

**Achromatopsia**

35.6400, 0.3127, 0.3290

**Achromatomaly**

34.1878, 0.2909, 0.2680

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.6034, 0.2568, 0.1900 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(182, 132, 254)` looks like.

```
.text, #text, p{  
    color:rgb(182, 132, 254)  
}
```

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(182, 132, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 132, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 33.6034, 0.2568, 0.1900 is called "border". The border property can be set on classes, ids or directly on the HTML element.

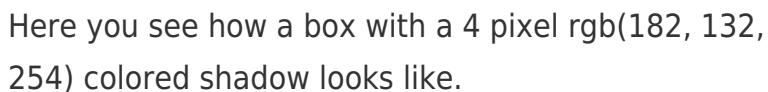
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(182, 132, 254) }
```

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

```
.border{ border-color:rgb(182, 132, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(182, 132, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 132, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 132, 254); box-shadow:4px 4px 4px 4px rgb(182, 132, 254) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.6034, 0.2568, 0.1900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 132, 254) }
```

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

```
.background{ background-color: rgb(182,  
132, 254) }
```

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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