

Converting Colors

$Y_{xy}(34.4759, 0.2540, 0.1832)$

Have a look what the booklet for
Yxy(34.4759, 0.2540, 0.1832)
contains.

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Color

Yxy(33.8917, 0.2593, 0.1893)

Conversions

Conversions Part 1

Format	Color
Hex	BA83FF
RGB	186, 131, 255
RGB Percent	73%, 51%, 100%
CMY	0.2705, 0.4863, 0.0000
CMYK	0.27, 0.49, 0.00, 0.00
HSL	267°, 100%, 76%
HSV	267°, 49%, 100%
XYZ	46.4243, 33.8917, 98.7210
YIQ	161.5810, -7.0240, 50.2240

Conversions

Conversions Part 2

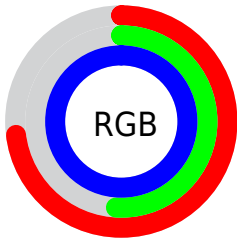
Format	Color
RYB	186, 131, 255
Decimal	12223487
CIELab	64.88, 45.16, -54.13
CIElCh	65, 70.496, 309.838
Yxy	33.8917, 0.2593, 0.1893
Android (android.graphics.Color)	4290413567 (0xFFBA83FF)
YUV	161.5810, 46.0556, 21.4155
Hunter-Lab	58.2166, 40.4642, -59.7896

Details

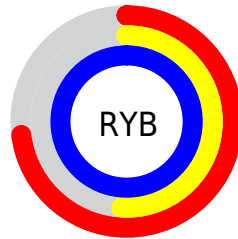
The Yxy color **33.8917, 0.2593, 0.1893** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.4307, 0.3466, 0.4651**, and the grayscale version is **35.7087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1510, 0.3075, 0.2586**, and **14.4817, 0.2413, 0.1580** is the 20% darker color. If you saturate the color by 10%, you get **26.1760, 0.2449, 0.1598**, and if you desaturate by 10%, it is **43.4685, 0.2729, 0.2201**.

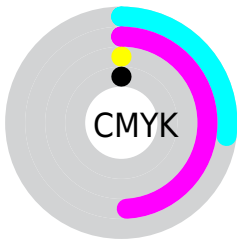
Distribution



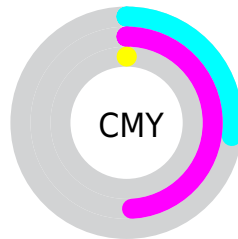
- Red (73%)
- Green (51%)
- Blue (100%)



- Red (73%)
- Yellow (51%)
- Blue (100%)



- Cyan (27%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8917, 0.2593, 0.1893 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 33.8917, 0.2593, 0.1893 by changing the saturation by 10% instead.


 33.8917, 0.2593,
0.1893

 33.8917, 0.2593,
0.1893


319.6489, 0.2882,
0.2537

 22.8104, 0.2518,
0.1752


 65.7652, 0.2701,
0.2113

 14.4536, 0.2421,
0.1582


 87.3262, 0.2741,
0.2199

 8.4368, 0.2292,
0.1375


 113.1493, 0.2774,
0.2275

 4.3757, 0.2117,
0.1123

143.6188, 0.2803,
0.2340

 1.8859, 0.1869,
0.0819

179.1191, 0.2827,
0.2398

 0.5399, 0.1516,
0.0436

220.0346, 0.2848,


 0.0000, 0.0966,

0.2450


0.0000


266.7497, 0.2866,
0.2495


 0.0000, 0.0000,
0.0000


 33.8917, 0.2593,
0.1893


 33.8917, 0.2593,
0.1893

 26.1760, 0.2449,
0.1598

 43.4685, 0.2729,
0.2201

 20.1908, 0.2303,
0.1330


 55.0249, 0.2852,
0.2506

 15.7872, 0.2160,
0.1107

 68.6687, 0.2961,
0.2799

 12.7894, 0.2029,
0.0940

 84.5000, 0.3056,
0.3072

 10.9493, 0.1914,
0.0833

100.0000, 0.3127,
0.3290

■ 10.7435, 0.1900,
0.0820

Harmonies

Analogous

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



33.8917, 0.1842, 0.1750



33.8917, 0.2593, 0.1893



33.8917, 0.3669, 0.2291

Triad

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



33.8917, 0.2593, 0.1893



33.8917, 0.5012, 0.4308



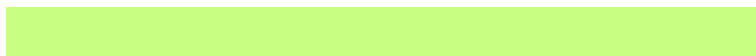
33.8917, 0.1692, 0.3467

Complementary

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



33.8917, 0.2593, 0.1893



85.4307, 0.3466, 0.4651

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.



33.8917, 0.2386, 0.4720



33.8917, 0.2593, 0.1893



33.8917, 0.4292, 0.5018

Square

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



33.8917, 0.2593, 0.1893



33.8917, 0.5230, 0.3569



33.8917, 0.3341, 0.5330



33.8917, 0.1398, 0.2439

Rectangle

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



33.8917, 0.2593, 0.1893



33.8917, 0.4410, 0.2670



33.8917, 0.3341, 0.5330



33.8917, 0.1880, 0.3896

Sweetspot

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



33.8916, 0.2593, 0.1893



74.1635, 0.2997, 0.2901



53.9384, 0.2361, 0.2634



15.1842, 0.2977, 0.2842



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.



33.8916, 0.2593, 0.1893



26.6122, 0.2459, 0.1616



43.1737, 0.3110, 0.2084



17.7723, 0.3049, 0.3049



5.6990, 0.1917, 0.0829



0.6184, 0.2042, 0.0899

Inverse Universe

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



41.6560, 0.3714, 0.2588



35.4855, 0.3884, 0.2473



78.6689, 0.3097, 0.4820



18.1562, 0.3207, 0.3159



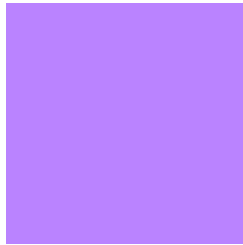
12.1568, 0.4727, 0.2378



1.2057, 0.4505, 0.2256

Previews

White Background



This preview shows how the Yxy color 33.8917, 0.2593, 0.1893 looks on a white background.

Color Contrast Check

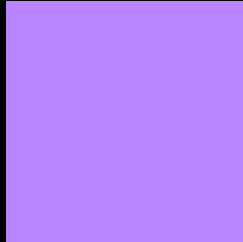
Large Text (above 18pt) WCAG AA × Fail

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 33.8917, 0.2593, 0.1893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

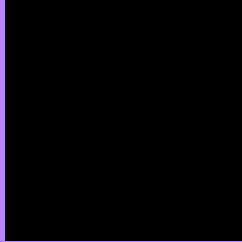
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8917, 0.2593, 0.1893

Background



This preview shows how black text looks on a background with the Yxy color 33.8917, 0.2593, 0.1893.



This preview shows how white text looks on a background with the Yxy color 33.8917, 0.2593, 0.1893.

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

33.8917, 0.2593, 0.1893

Protanopia

34.1131, 0.2169, 0.2003

Deuteranopia

34.3574, 0.2150, 0.2095



Tritanopia

33.5718, 0.3185, 0.3118

Trichromacy



Original Color

33.8917, 0.2593, 0.1893

Protanomaly

33.5286, 0.2295, 0.1949

Deuteranomaly

33.2957, 0.2275, 0.1994

Tritanomaly

33.0917, 0.2947, 0.2584

Monochromacy



Original Color

33.8917, 0.2593, 0.1893

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

34.7767, 0.2920, 0.2685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8917, 0.2593, 0.1893 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, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 131, 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, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 131, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.8917, 0.2593, 0.1893 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, 131, 255) }
```

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

```
.border{ border-color:rgb(186, 131, 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, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 131, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 131, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 131,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8917, 0.2593, 0.1893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 131, 255) }
```

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

```
.background{ background-color: rgb(186,  
131, 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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