

Converting Colors

$Y_{xy}(37.8430, 0.2454, 0.1690)$

Have a look what the booklet for
Yxy(37.8430, 0.2454, 0.1690)
contains.

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Color

Yxy(35.3246, 0.2667, 0.1930)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | C384FF |
| RGB | 195, 132, 255 |
| RGB Percent | 76%, 52%, 100% |
| CMY | 0.2353, 0.4824, 0.0000 |
| CMYK | 0.24, 0.48, 0.00, 0.00 |
| HSL | 271°, 100%, 76% |
| HSV | 271°, 48%, 100% |
| XYZ | 48.8138, 35.3246, 98.8906 |
| YIQ | 164.8590, -1.9350, 51.6090 |

Conversions

Conversions Part 2

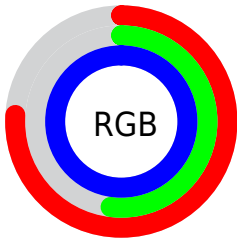
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 195, 132, 255 |
| Decimal | 12813567 |
| CIE _{Lab} | 66.00, 46.96, -52.30 |
| CIE _{LCh} | 66, 70.291, 311.918 |
| Yxy | 35.3246, 0.2667, 0.1930 |
| Android (android.graphics.Color) | 4291003647 (0xFFC384FF) |
| YUV | 164.8590, 44.4395, 26.4337 |
| Hunter-Lab | 59.4345, 42.5925, -57.0460 |

Details

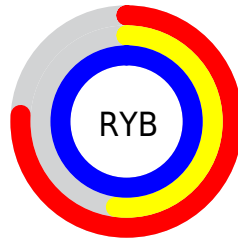
The Yxy color **35.3246, 0.2667, 0.1930** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.3896, 0.3408, 0.4665**, and the grayscale version is **37.3377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4086, 0.3151, 0.2613**, and **15.2178, 0.2508, 0.1621** is the 20% darker color. If you saturate the color by 10%, you get **27.6443, 0.2540, 0.1645**, and if you desaturate by 10%, it is **44.8296, 0.2786, 0.2228**.

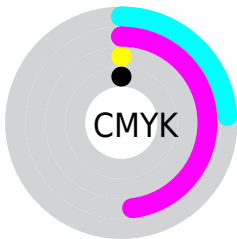
Distribution



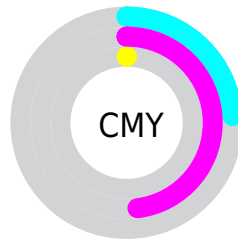
- Red (76%)
- Green (52%)
- Blue (100%)



- Red (76%)
- Yellow (52%)
- Blue (100%)



- Cyan (24%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3246, 0.2667, 0.1930 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 35.3246, 0.2667, 0.1930 by changing the saturation by 10% instead.


 35.3246, 0.2667,
0.1930


 35.3246, 0.2667,
0.1930


325.9988, 0.2919,
0.2554


 23.9130, 0.2601,
0.1793


 67.9883, 0.2762,
0.2143

 15.2691, 0.2515,
0.1628


 90.0093, 0.2796,
0.2227

 9.0085, 0.2401,
0.1428


 116.3354, 0.2825,
0.2300

 4.7467, 0.2244,
0.1182

147.3513, 0.2850,
0.2363

 2.0994, 0.2019,
0.0882

183.4411, 0.2871,
0.2420

 0.6643, 0.1689,
0.0518

224.9894, 0.2889,


 0.0000, 0.1205,


0.2470


0.0000


272.3805, 0.2905,
0.2514

 0.0000, 0.0000,
0.0000


 35.3246, 0.2667,
0.1930


 35.3246, 0.2667,
0.1930

 27.6443, 0.2540,
0.1645


 44.8296, 0.2786,
0.2228


 21.6647, 0.2409,
0.1388


 56.2799, 0.2893,
0.2526

 17.2380, 0.2279,
0.1174

 69.7799, 0.2988,
0.2813

 14.1919, 0.2157,
0.1012

 85.4280, 0.3069,
0.3083

 12.2901, 0.2047,
0.0907

100.0000, 0.3127,
0.3290

■ 12.0166, 0.2028,
0.0891

Harmonies

Analogous

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



35.3246, 0.1899, 0.1770



35.3246, 0.2667, 0.1930



35.3246, 0.3740, 0.2341

Triad

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



35.3246, 0.2667, 0.1930



35.3246, 0.4952, 0.4353



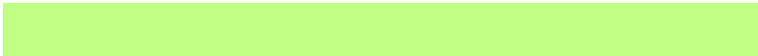
35.3246, 0.1680, 0.3382

Complementary

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



35.3246, 0.2667, 0.1930



84.3896, 0.3408, 0.4665

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.



35.3246, 0.2341, 0.4618



35.3246, 0.2667, 0.1930



35.3246, 0.4221, 0.5036

Square

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



35.3246, 0.2667, 0.1930



35.3246, 0.5206, 0.3620



35.3246, 0.3275, 0.5285



35.3246, 0.1413, 0.2403

Rectangle

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



35.3246, 0.2667, 0.1930



35.3246, 0.4458, 0.2723



35.3246, 0.3275, 0.5285



35.3246, 0.1857, 0.3798

Sweetspot

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



35.3231, 0.2667, 0.1930



76.1459, 0.3024, 0.2930



50.4838, 0.2348, 0.2535



15.5944, 0.3006, 0.2871



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.



35.3231, 0.2667, 0.1930



27.8077, 0.2543, 0.1652



44.9797, 0.3182, 0.2119



17.8353, 0.3059, 0.3050



6.3681, 0.2045, 0.0900



0.6851, 0.2166, 0.0967

Inverse Universe

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



41.5646, 0.3798, 0.2676



35.0602, 0.4008, 0.2571



78.0904, 0.3055, 0.4826



18.1347, 0.3217, 0.3175



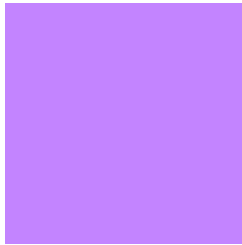
11.9039, 0.5017, 0.2537



1.1810, 0.4756, 0.2393

Previews

White Background



This preview shows how the Yxy color 35.3246, 0.2667, 0.1930 looks on a white background.

Color Contrast Check

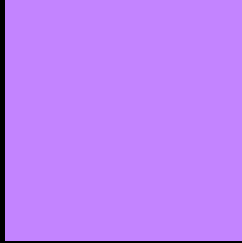
Large Text (above 18pt) WCAG AA × Fail

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 35.3246, 0.2667, 0.1930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

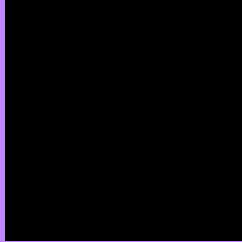
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3246, 0.2667, 0.1930

Background



This preview shows how black text looks on a background with the Yxy color 35.3246, 0.2667, 0.1930.



This preview shows how white text looks on a background with the Yxy color 35.3246, 0.2667, 0.1930.

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

35.3246, 0.2667, 0.1930

Protanopia

35.4715, 0.2204, 0.2050

Deuteranopia

35.5586, 0.2196, 0.2133



Tritanopia

35.0828, 0.3275, 0.3124

Trichromacy



Original Color

35.3246, 0.2667, 0.1930



Protanomaly

34.7894, 0.2345, 0.1988



Deuteranomaly

34.6174, 0.2330, 0.2035



Tritanomaly

34.6423, 0.3033, 0.2606

Monochromacy



Original Color

35.3246, 0.2667, 0.1930



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

36.0898, 0.2949, 0.2695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3246, 0.2667, 0.1930 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(195, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 132, 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(195, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 132, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.3246, 0.2667, 0.1930 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(195, 132, 255) }
```

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

```
.border{ border-color:rgb(195, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 132,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3246, 0.2667, 0.1930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 132, 255) }
```

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

```
.background{ background-color: rgb(195,  
132, 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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