

Converting Colors

$Yxy(36.1416, 0.2579, 0.1863)$

Have a look what the booklet for
Yxy(36.1416, 0.2579, 0.1863)
contains.

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Color

Yxy(35.4767, 0.2644, 0.1942)

Conversions

Conversions Part 1

Format	Color
Hex	C086FF
RGB	192, 134, 255
RGB Percent	75%, 53%, 100%
CMY	0.2473, 0.4744, 0.0000
CMYK	0.25, 0.47, 0.00, 0.00
HSL	269°, 100%, 76%
HSV	269°, 47%, 100%
XYZ	48.3009, 35.4767, 98.9036
YIQ	165.1360, -4.2730, 49.9270

Conversions

Conversions Part 2

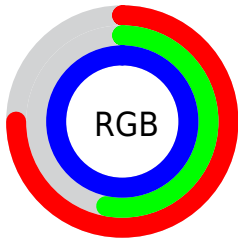
Format	Color
R_{YB}	192, 134, 255
Decimal	12617471
CIE _{Lab}	66.12, 45.05, -52.11
CIE _{LCh}	66, 68.880, 310.841
Yxy	35.4767, 0.2644, 0.1942
Android (android.graphics.Color)	4290807551 (0xFFC086FF)
YUV	165.1360, 44.3030, 23.5597
Hunter-Lab	59.5623, 40.5171, -56.7578

Details

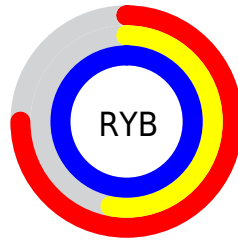
The Yxy color **35.4767, 0.2644, 0.1942** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.1200, 0.3432, 0.4629**, and the grayscale version is **37.4811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6957, 0.3128, 0.2628**, and **15.3460, 0.2489, 0.1635** is the 20% darker color. If you saturate the color by 10%, you get **27.5999, 0.2509, 0.1650**, and if you desaturate by 10%, it is **45.2121, 0.2770, 0.2245**.

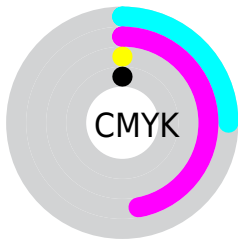
Distribution



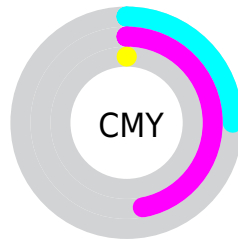
- Red (75%)
- Green (53%)
- Blue (100%)



- Red (75%)
- Yellow (53%)
- Blue (100%)



- Cyan (25%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4767, 0.2644, 0.1942 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 35.4767, 0.2644, 0.1942 by changing the saturation by 10% instead.


 35.4767, 0.2644,
0.1942


 35.4767, 0.2644,
0.1942


326.6675, 0.2906,
0.2562

 24.0303, 0.2576,
0.1806

 68.2236, 0.2742,
0.2154

 15.3561, 0.2487,
0.1641


 90.2929, 0.2778,
0.2237

 9.0697, 0.2370,
0.1441


 116.6720, 0.2808,
0.2310

 4.7867, 0.2209,
0.1195

147.7452, 0.2834,
0.2373

 2.1226, 0.1980,
0.0895

183.8969, 0.2856,
0.2429

 0.6773, 0.1645,
0.0530

225.5116, 0.2875,

 0.0000, 0.1155,

0.2478


0.0000


272.9737, 0.2891,
0.2522


 0.0000, 0.0000,
0.0000


 35.4767, 0.2644,
0.1942


 35.4767, 0.2644,
0.1942


 27.5999, 0.2509,
0.1650

 45.2121, 0.2770,
0.2245

 21.4493, 0.2370,
0.1384


 56.9178, 0.2884,
0.2546

 16.8809, 0.2233,
0.1160

 70.7013, 0.2984,
0.2834

 13.7242, 0.2105,
0.0990

 86.6608, 0.3071,
0.3104

 11.7579, 0.1991,
0.0878

99.9996, 0.3127,
0.3290

■ 11.3626, 0.1963,
0.0855

Harmonies

Analogous

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



35.4767, 0.1900, 0.1794



35.4767, 0.2644, 0.1942



35.4767, 0.3689, 0.2339

Triad

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



35.4767, 0.2644, 0.1942



35.4767, 0.4941, 0.4317



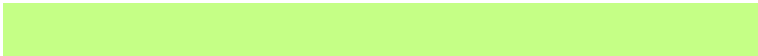
35.4767, 0.1723, 0.3426

Complementary

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



35.4767, 0.2644, 0.1942



85.1200, 0.3432, 0.4629

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.



35.4767, 0.2389, 0.4623



35.4767, 0.2644, 0.1942



35.4767, 0.4239, 0.4988

Square

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



35.4767, 0.2644, 0.1942



35.4767, 0.5162, 0.3597



35.4767, 0.3314, 0.5245



35.4767, 0.1444, 0.2449

Rectangle

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



35.4767, 0.2644, 0.1942



35.4767, 0.4396, 0.2713



35.4767, 0.3314, 0.5245



35.4767, 0.1903, 0.3833

Sweetspot

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



35.4781, 0.2644, 0.1942



75.9396, 0.3016, 0.2929



52.9289, 0.2370, 0.2602



15.5442, 0.2996, 0.2870



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.



35.4781, 0.2644, 0.1942



27.9081, 0.2515, 0.1662



44.7813, 0.3146, 0.2124



17.8043, 0.3054, 0.3050



6.0252, 0.1980, 0.0864



0.6512, 0.2104, 0.0933

Inverse Universe

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



42.3535, 0.3739, 0.2645



35.8568, 0.3926, 0.2533



78.6470, 0.3077, 0.4787



18.1453, 0.3212, 0.3167



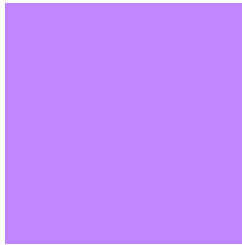
12.0229, 0.4874, 0.2459



1.1927, 0.4632, 0.2325

Previews

White Background



This preview shows how the Yxy color 35.4767, 0.2644, 0.1942 looks on a white background.

Color Contrast Check

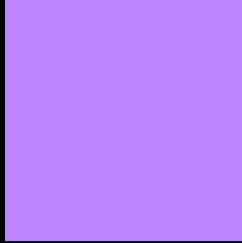
Large Text (above 18pt) WCAG AA × Fail

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 35.4767, 0.2644, 0.1942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

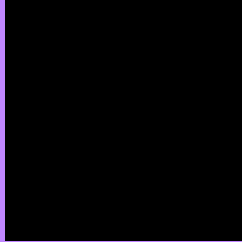
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4767, 0.2644, 0.1942

Background



This preview shows how black text looks on a background with the Yxy color 35.4767, 0.2644, 0.1942.



This preview shows how white text looks on a background with the Yxy color 35.4767, 0.2644, 0.1942.

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

35.4767, 0.2644, 0.1942

Protanopia

35.8847, 0.2212, 0.2064

Deuteranopia

36.0367, 0.2199, 0.2138



Tritanopia

35.4628, 0.3224, 0.3123

Trichromacy



Original Color

35.4767, 0.2644, 0.1942



Protanomaly

35.0108, 0.2340, 0.1998



Deuteranomaly

35.0011, 0.2327, 0.2038



Tritanomaly

34.9360, 0.2996, 0.2614

Monochromacy



Original Color

35.4767, 0.2644, 0.1942



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

36.3024, 0.2941, 0.2707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4767, 0.2644, 0.1942 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(192, 134, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 134, 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(192, 134, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 134, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.4767, 0.2644, 0.1942 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(192, 134, 255) }
```

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

```
.border{ border-color:rgb(192, 134, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 134, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 134, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 134, 255); box-shadow:4px 4px 4px 4px rgb(192, 134, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4767, 0.2644, 0.1942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 134, 255) }
```

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

```
.background{ background-color: rgb(192,  
134, 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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