

Converting Colors

$Y_{xy}(34.1098, 0.2640, 0.1891)$

Have a look what the booklet for
Yxy(34.1098, 0.2640, 0.1891)
contains.

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Color

Yxy(34.1270, 0.2640, 0.1891)

Conversions

Conversions Part 1

Format	Color
Hex	C081FF
RGB	192, 129, 255
RGB Percent	75%, 51%, 100%
CMY	0.2470, 0.4942, 0.0000
CMYK	0.25, 0.49, 0.00, 0.00
HSL	270°, 100%, 75%
HSV	270°, 49%, 100%
XYZ	47.6443, 34.1270, 98.6994
YIQ	162.2010, -2.8980, 52.5420

Conversions

Conversions Part 2

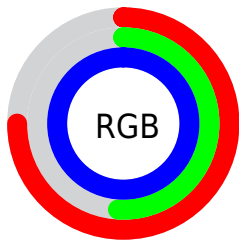
Format	Color
R_{YB}	192, 129, 255
Decimal	12616191
CIE _{Lab}	65.06, 47.78, -53.80
CIE _{LCh}	65, 71.948, 311.608
Yxy	34.1270, 0.2640, 0.1891
Android (android.graphics.Color)	4290806271 (0xFFC081FF)
YUV	162.2010, 45.7499, 26.1337
Hunter-Lab	58.4183, 43.3473, -59.2793

Details

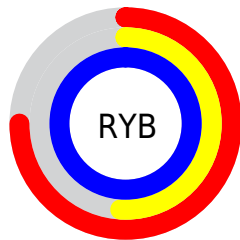
The Yxy color **34.1270, 0.2640, 0.1891** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.3071, 0.3422, 0.4695**, and the grayscale version is **36.0128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5962, 0.3129, 0.2578**, and **14.5359, 0.2472, 0.1573** is the 20% darker color. If you saturate the color by 10%, you get **26.6349, 0.2509, 0.1607**, and if you desaturate by 10%, it is **43.4391, 0.2763, 0.2190**.

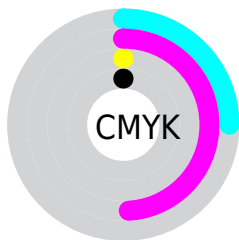
Distribution



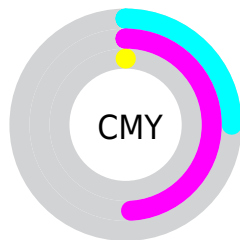
- Red (75%)
- Green (51%)
- Blue (100%)



- Red (75%)
- Yellow (51%)
- Blue (100%)



- Cyan (25%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1270, 0.2640, 0.1891 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 34.1270, 0.2640, 0.1891 by changing the saturation by 10% instead.


 34.1270, 0.2640,
0.1891


 34.1270, 0.2640,
0.1891


320.6980, 0.2907,
0.2533

 22.9912, 0.2570,
0.1750


 66.1311, 0.2740,
0.2110

 14.5870, 0.2479,
0.1581


 87.7682, 0.2777,
0.2196

 8.5300, 0.2358,
0.1376


 113.6745, 0.2808,
0.2271

 4.4359, 0.2192,
0.1126

144.2344, 0.2834,
0.2337

 1.9203, 0.1955,
0.0824

179.8323, 0.2856,
0.2395

 0.5605, 0.1613,
0.0447

220.8526, 0.2875,


 0.0000, 0.1094,


0.2446


0.0000


267.6797, 0.2892,
0.2492


 0.0000, 0.0000,
0.0000


 34.1270, 0.2640,
0.1891


 34.1270, 0.2640,
0.1891

 26.6349, 0.2509,
0.1607


 43.4391, 0.2763,
0.2190


 20.8319, 0.2375,
0.1351

 54.6885, 0.2874,
0.2490

 16.5691, 0.2244,
0.1141

 67.9827, 0.2973,
0.2779

 13.6698, 0.2121,
0.0985

 83.4209, 0.3058,
0.3052

 11.8646, 0.2011,
0.0883

100.0000, 0.3127,
0.3290

■ 11.7746, 0.2004,
0.0878

Harmonies

Analogous

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



34.1270, 0.1857, 0.1730



34.1270, 0.2640, 0.1891



34.1270, 0.3746, 0.2307

Triad

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



34.1270, 0.2640, 0.1891



34.1270, 0.5005, 0.4360



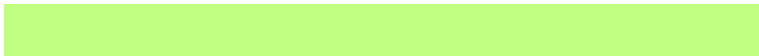
34.1270, 0.1641, 0.3393

Complementary

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



34.1270, 0.2640, 0.1891



84.3071, 0.3422, 0.4695

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.



34.1270, 0.2319, 0.4684



34.1270, 0.2640, 0.1891



34.1270, 0.4250, 0.5077

Square

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



34.1270, 0.2640, 0.1891



34.1270, 0.5271, 0.3609



34.1270, 0.3279, 0.5362



34.1270, 0.1368, 0.2377

Rectangle

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



34.1270, 0.2640, 0.1891



34.1270, 0.4493, 0.2696



34.1270, 0.3279, 0.5362



34.1270, 0.1822, 0.3827

Sweetspot

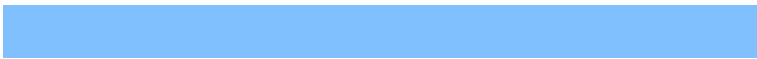
The Sweet Spot groups the original color and five complimentary colors.



34.1271, 0.2640, 0.1891



74.5298, 0.3012, 0.2902



49.5834, 0.2329, 0.2513



15.2721, 0.2994, 0.2844



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.



34.1271, 0.2640, 0.1891



26.9118, 0.2515, 0.1618



44.1779, 0.3183, 0.2095



17.8241, 0.3058, 0.3050



6.2412, 0.2021, 0.0887



0.6726, 0.2144, 0.0955

Inverse Universe

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



40.7623, 0.3805, 0.2647



34.5566, 0.4008, 0.2544



77.7711, 0.3053, 0.4868



18.1385, 0.3215, 0.3172



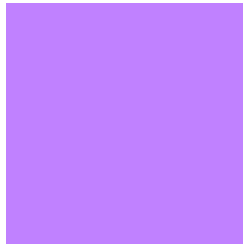
11.9457, 0.4965, 0.2509



1.1852, 0.4711, 0.2369

Previews

White Background



This preview shows how the Yxy color 34.1270, 0.2640, 0.1891 looks on a white background.

Color Contrast Check

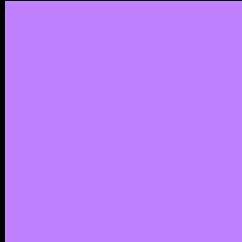
Large Text (above 18pt) WCAG AA × Fail

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 34.1270, 0.2640, 0.1891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

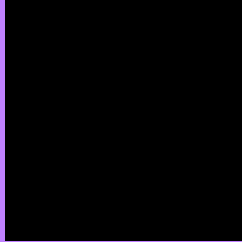
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1270, 0.2640, 0.1891

Background



This preview shows how black text looks on a background with the Yxy color 34.1270, 0.2640, 0.1891.



This preview shows how white text looks on a background with the Yxy color 34.1270, 0.2640, 0.1891.

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

34.1270, 0.2640, 0.1891

Protanopia

34.5142, 0.2177, 0.2018

Deuteranopia

34.4814, 0.2160, 0.2097



Tritanopia

34.0077, 0.3267, 0.3122

Trichromacy



Original Color

34.1270, 0.2640, 0.1891



Protanomaly

33.7975, 0.2315, 0.1956



Deuteranomaly

33.3214, 0.2298, 0.1990



Tritanomaly

33.5755, 0.3022, 0.2597

Monochromacy



Original Color

34.1270, 0.2640, 0.1891



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.6825, 0.2938, 0.2674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1270, 0.2640, 0.1891 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, 129, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 129, 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, 129, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 129, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.1270, 0.2640, 0.1891 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, 129, 255) }
```

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

```
.border{ border-color:rgb(192, 129, 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, 129, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 129, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 129, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 129,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1270, 0.2640, 0.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 129, 255) }
```

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

```
.background{ background-color: rgb(192,  
129, 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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