

Converting Colors

$Y_{xy}(34.1725, 0.2671, 0.1901)$

Have a look what the booklet for
Yxy(34.1725, 0.2671, 0.1901)
contains.

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Color

Yxy(34.1962, 0.2671, 0.1898)

Conversions

Conversions Part 1

Format	Color
Hex	C380FE
RGB	195, 128, 254
RGB Percent	76%, 50%, 100%
CMY	0.2352, 0.4981, 0.0038
CMYK	0.23, 0.50, 0.00, 0.00
HSL	272°, 98%, 75%
HSV	272°, 50%, 100%
XYZ	48.1233, 34.1962, 97.8501
YIQ	162.3970, -0.5140, 53.3900

Conversions

Conversions Part 2

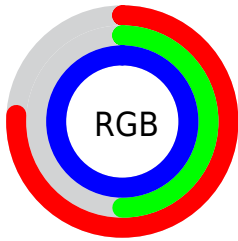
Format	Color
R _Y B	195, 128, 254
Decimal	12812542
CIE Lab	65.12, 48.87, -53.14
CIE LCh	65, 72.196, 312.599
Yxy	34.1962, 0.2671, 0.1898
Android (android.graphics.Color)	4291002622 (0xFFC380FE)
YUV	162.3970, 45.1603, 28.5928
Hunter-Lab	58.4775, 44.5586, -58.2754

Details

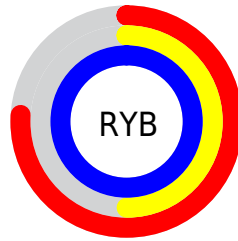
The Yxy color **34.1962, 0.2671, 0.1898** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.0185, 0.3397, 0.4713**, and the grayscale version is **36.1120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7467, 0.3153, 0.2573**, and **14.6034, 0.2511, 0.1584** is the 20% darker color. If you saturate the color by 10%, you get **26.8594, 0.2548, 0.1619**, and if you desaturate by 10%, it is **43.3200, 0.2786, 0.2192**.

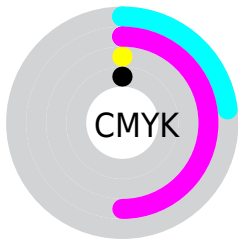
Distribution



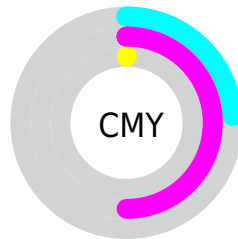
- Red (76%)
- Green (50%)
- Blue (100%)



- Red (76%)
- Yellow (50%)
- Blue (100%)



- Cyan (23%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1962, 0.2671, 0.1898 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 34.1962, 0.2671, 0.1898 by changing the saturation by 10% instead.

 34.1962, 0.2671,
0.1898


 34.1962, 0.2671,
0.1898

321.0060, 0.2923,
0.2537


 23.0444, 0.2604,
0.1758


 66.2387, 0.2766,
0.2116

 14.6263, 0.2517,
0.1590


 87.8981, 0.2801,
0.2202

 8.5575, 0.2401,
0.1385

 113.8288, 0.2830,
0.2276

 4.4537, 0.2241,
0.1136

144.4152, 0.2854,
0.2342

 1.9305, 0.2011,
0.0833

180.0418, 0.2875,
0.2399

 0.5666, 0.1676,
0.0456

221.0928, 0.2893,


 0.0000, 0.1166,


0.2450


0.0000


267.9528, 0.2909,
0.2496

 0.0000, 0.0000,
0.0000

 34.1962, 0.2671,
0.1898

 34.1962, 0.2671,
0.1898


 26.8594, 0.2548,
0.1619


 43.3200, 0.2786,
0.2192


 21.1766, 0.2422,
0.1371

 54.3429, 0.2890,
0.2488

 17.0018, 0.2297,
0.1166

 67.3721, 0.2982,
0.2776

 14.1601, 0.2179,
0.1015

 82.5055, 0.3062,
0.3047

 12.3784, 0.2072,
0.0916

99.8346, 0.3130,
0.3299

■ 12.3196, 0.2068,
0.0913

99.9373, 0.3133,
0.3299

Harmonies

Analogous

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



34.1962, 0.1874, 0.1728



34.1962, 0.2671, 0.1898



34.1962, 0.3787, 0.2323

Triad

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



34.1962, 0.2671, 0.1898



34.1962, 0.4990, 0.4386



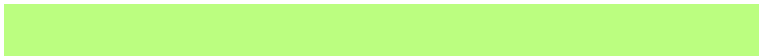
34.1962, 0.1622, 0.3352

Complementary

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



34.1962, 0.2671, 0.1898



83.0185, 0.3397, 0.4713

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.



34.1962, 0.2288, 0.4650



34.1962, 0.2671, 0.1898



34.1962, 0.4221, 0.5100

Square

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



34.1962, 0.2671, 0.1898



34.1962, 0.5278, 0.3632



34.1962, 0.3245, 0.5363



34.1962, 0.1362, 0.2350

Rectangle

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



34.1962, 0.2671, 0.1898



34.1962, 0.4530, 0.2716



34.1962, 0.3245, 0.5363



34.1962, 0.1799, 0.3784

Sweetspot

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



34.1975, 0.2671, 0.1898



74.7384, 0.3020, 0.2903



48.0983, 0.2321, 0.2482



15.3223, 0.3003, 0.2845



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.



34.1975, 0.2671, 0.1898



26.8383, 0.2543, 0.1609



43.5325, 0.3202, 0.2107



17.8535, 0.3063, 0.3050



6.5823, 0.2085, 0.0922



0.7059, 0.2204, 0.0988

Inverse Universe

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



40.0957, 0.3854, 0.2684



33.8034, 0.4093, 0.2582



77.1009, 0.3044, 0.4850



18.1286, 0.3220, 0.3179



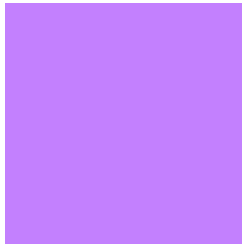
11.8386, 0.5100, 0.2583



1.1745, 0.4829, 0.2434

Previews

White Background



This preview shows how the Yxy color 34.1962, 0.2671, 0.1898 looks on a white background.

Color Contrast Check

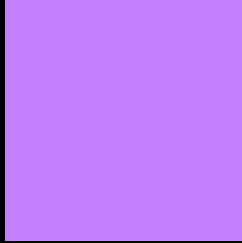
Large Text (above 18pt) WCAG AA × Fail

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 34.1962, 0.2671, 0.1898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

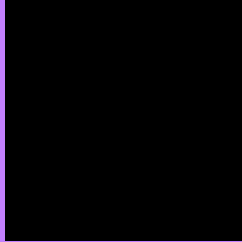
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1962, 0.2671, 0.1898

Background



This preview shows how black text looks on a background with the Yxy color 34.1962, 0.2671, 0.1898.



This preview shows how white text looks on a background with the Yxy color 34.1962, 0.2671, 0.1898.

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

34.1962, 0.2671, 0.1898

Protanopia

34.5142, 0.2177, 0.2018

Deuteranopia

34.5460, 0.2174, 0.2110



Tritanopia

34.0050, 0.3308, 0.3123

Trichromacy



Original Color

34.1962, 0.2671, 0.1898



Protanomaly

33.5818, 0.2319, 0.1946



Deuteranomaly

33.4323, 0.2316, 0.2002



Tritanomaly

33.6004, 0.3061, 0.2601

Monochromacy



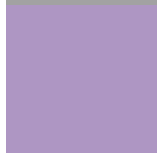
Original Color

34.1962, 0.2671, 0.1898



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.7515, 0.2956, 0.2688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1962, 0.2671, 0.1898 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, 128, 254)` looks like.

```
.text, #text, p{  
    color:rgb(195, 128, 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(195, 128, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 128, 254) }
```

Border

The CSS property to change the border of an element to Yxy 34.1962, 0.2671, 0.1898 is called "border". The border property can be set on classes, ids or directly on the HTML element.

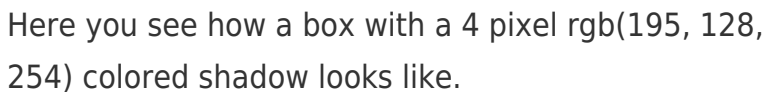
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 128, 254) }
```

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

```
.border{ border-color:rgb(195, 128, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 128, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 128, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 128, 254);  
box-shadow:4px 4px 4px 4px rgb(195, 128,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1962, 0.2671, 0.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 128, 254) }
```

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

```
.background{ background-color: rgb(195,  
128, 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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