

Converting Colors

Yxy(38.6385, 0.2421, 0.1543)

Have a look what the booklet for
Yxy(38.6385, 0.2421, 0.1543)
contains.

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Color

Yxy(34.7571, 0.2754, 0.1888)

Conversions

Conversions Part 1

Format	Color
Hex	CE7CFF
RGB	206, 124, 255
RGB Percent	81%, 49%, 100%
CMY	0.1923, 0.5136, 0.0000
CMYK	0.19, 0.51, 0.00, 0.00
HSL	278°, 100%, 74%
HSV	278°, 51%, 100%
XYZ	50.6997, 34.7571, 98.6380
YIQ	163.4520, 6.8210, 58.1250

Conversions

Conversions Part 2

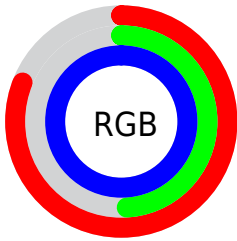
Format	Color
R _Y B	206, 124, 255
Decimal	13532415
CIE Lab	65.56, 53.95, -52.90
CIE LCh	66, 75.561, 315.565
Yxy	34.7571, 0.2754, 0.1888
Android (android.graphics.Color)	4291722495 (0xFFCE7CFF)
YUV	163.4520, 45.1332, 37.3146
Hunter-Lab	58.9552, 50.3333, -57.9296

Details

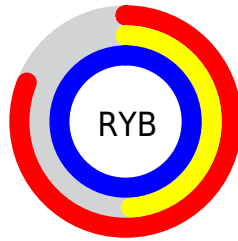
The Yxy color **34.7571, 0.2754, 0.1888** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **81.8647, 0.3324, 0.4804**, and the grayscale version is **36.6329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7202, 0.3162, 0.2546**, and **14.9733, 0.2620, 0.1579** is the 20% darker color. If you saturate the color by 10%, you get **27.8453, 0.2655, 0.1631**, and if you desaturate by 10%, it is **43.4069, 0.2846, 0.2166**.

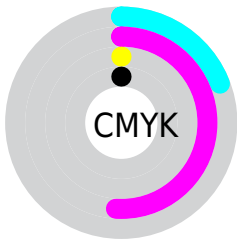
Distribution



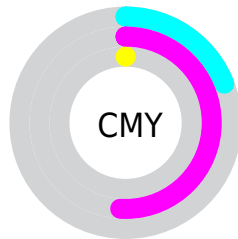
- Red (81%)
- Green (49%)
- Blue (100%)



- Red (81%)
- Yellow (49%)
- Blue (100%)



- Cyan (19%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7571, 0.2754, 0.1888 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 34.7571, 0.2754, 0.1888 by changing the saturation by 10% instead.


 34.7571, 0.2754,
0.1888


 34.7571, 0.2754,
0.1888


323.4949, 0.2966,
0.2527


 23.4758, 0.2696,
0.1749


 67.1093, 0.2835,
0.2105

 14.9452, 0.2621,
0.1582


 88.9490, 0.2865,
0.2191

 8.7810, 0.2519,
0.1381


 115.0770, 0.2889,
0.2265

 4.5986, 0.2376,
0.1135

145.8777, 0.2910,
0.2331

 2.0137, 0.2168,
0.0837

181.7354, 0.2927,
0.2388

 0.6154, 0.1858,
0.0474

223.0346, 0.2942,


 0.0000, 0.1391,


0.2440

0.0000


270.1596, 0.2955,
0.2485


 0.0000, 0.0000,
0.0000


 34.7571, 0.2754,
0.1888

 34.7571, 0.2754,
0.1888

 27.8453, 0.2655,
0.1631


 43.4069, 0.2846,
0.2166


 22.5357, 0.2552,
0.1407


 53.9081, 0.2930,
0.2451


 18.6787, 0.2450,
0.1227

 66.3693, 0.3004,
0.2732

 16.0928, 0.2352,
0.1099

 80.8894, 0.3067,
0.3003

 14.6419, 0.2272,
0.1025

 97.5602, 0.3121,
0.3257

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



34.7571, 0.1896, 0.1686



34.7571, 0.2754, 0.1888



34.7571, 0.3931, 0.2345

Triad

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



34.7571, 0.2754, 0.1888



34.7571, 0.4981, 0.4481



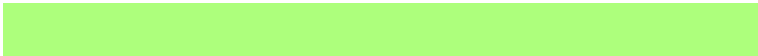
34.7571, 0.1526, 0.3221

Complementary

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



34.7571, 0.2754, 0.1888



81.8647, 0.3324, 0.4804

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.



34.7571, 0.2166, 0.4589



34.7571, 0.2754, 0.1888



34.7571, 0.4148, 0.5215

Square

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



34.7571, 0.2754, 0.1888



34.7571, 0.5356, 0.3701



34.7571, 0.3132, 0.5432



34.7571, 0.1304, 0.2239

Rectangle

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



34.7571, 0.2754, 0.1888



34.7571, 0.4687, 0.2757



34.7571, 0.3132, 0.5432



34.7571, 0.1691, 0.3663

Sweetspot

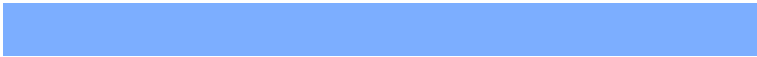
The Sweet Spot groups the original color and five complimentary colors.



34.7585, 0.2754, 0.1888



75.3607, 0.3045, 0.2906



41.8705, 0.2259, 0.2277



15.4724, 0.3032, 0.2849



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.



34.7585, 0.2754, 0.1888



27.4591, 0.2648, 0.1615



41.9571, 0.3323, 0.2174



17.9406, 0.3078, 0.3051



7.7393, 0.2287, 0.1033



0.8160, 0.2391, 0.1091

Inverse Universe

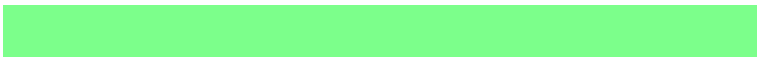
The Inverse Universe completely reimagines the original color for something new.



38.7029, 0.4035, 0.2788



32.1948, 0.4340, 0.2712



77.6766, 0.2984, 0.4754



18.0996, 0.3235, 0.3201



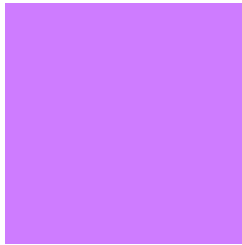
11.5717, 0.5487, 0.2796



1.1470, 0.5178, 0.2626

Previews

White Background



This preview shows how the Yxy color 34.7571, 0.2754, 0.1888 looks on a white background.

Color Contrast Check

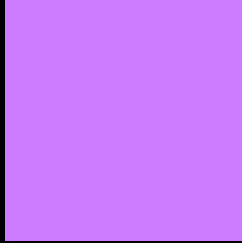
Large Text (above 18pt) WCAG AA × Fail

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 34.7571, 0.2754, 0.1888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

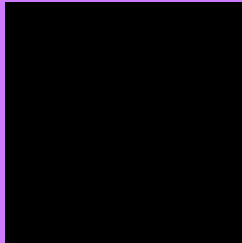
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7571, 0.2754, 0.1888

Background



This preview shows how black text looks on a background with the Yxy color 34.7571, 0.2754, 0.1888.



This preview shows how white text looks on a background with the Yxy color 34.7571, 0.2754, 0.1888.

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

34.7571, 0.2754, 0.1888

Protanopia

34.9900, 0.2190, 0.2034

Deuteranopia

35.0843, 0.2192, 0.2127



Tritanopia

34.7594, 0.3467, 0.3143

Trichromacy



Original Color

34.7571, 0.2754, 0.1888



Protanomaly

33.7458, 0.2351, 0.1945



Deuteranomaly

33.7258, 0.2349, 0.1994

Tritanomaly

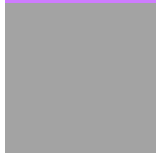
34.0960, 0.3180, 0.2598

Monochromacy



Original Color

34.7571, 0.2754, 0.1888



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

35.0641, 0.2994, 0.2671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7571, 0.2754, 0.1888 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(206, 124, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 124, 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(206, 124, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 124, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.7571, 0.2754, 0.1888 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(206, 124, 255) }
```

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

```
.border{ border-color:rgb(206, 124, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 124, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 124, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 124, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 124,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7571, 0.2754, 0.1888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 124, 255) }
```

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

```
.background{ background-color: rgb(206,  
124, 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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