

Converting Colors

$Y_{xy}(37.1333, 0.2730, 0.2032)$

Have a look what the booklet for
Yxy(37.1333, 0.2730, 0.2032)
contains.

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Color

Yxy(37.2841, 0.2733, 0.2036)

Conversions

Conversions Part 1

Format	Color
Hex	C78AFB
RGB	199, 138, 251
RGB Percent	78%, 54%, 98%
CMY	0.2196, 0.4588, 0.0158
CMYK	0.21, 0.45, 0.00, 0.02
HSL	272°, 93%, 76%
HSV	272°, 45%, 98%
XYZ	50.0479, 37.2841, 95.7923
YIQ	169.1210, 0.0830, 48.0750

Conversions

Conversions Part 2

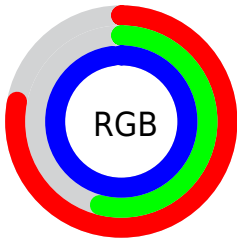
Format	Color
RYB	199, 138, 251
Decimal	13077243
CIELab	67.49, 43.89, -47.69
CIELCh	67, 64.812, 312.620
Yxy	37.2841, 0.2733, 0.2036
Android (android.graphics.Color)	4291267323 (0xFFC78AFB)
YUV	169.1210, 40.3663, 26.2039
Hunter-Lab	61.0607, 39.4497, -50.2719

Details

The Yxy color **37.2841, 0.2733, 0.2036** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **81.7498, 0.3374, 0.4575**, and the grayscale version is **39.5371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **16.3903, 0.2603, 0.1749** is the 20% darker color. If you saturate the color by 10%, you get **29.3765, 0.2615, 0.1750**, and if you desaturate by 10%, it is **46.9780, 0.2841, 0.2331**.

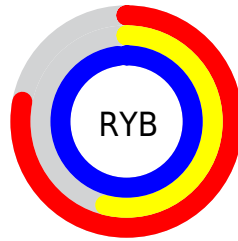
Distribution



Red (78%)

Green (54%)

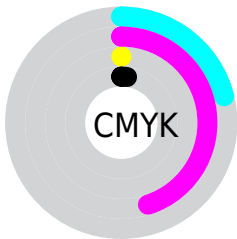
Blue (98%)



Red (78%)

Yellow (54%)

Blue (98%)

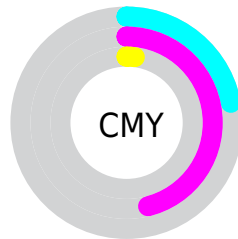


Cyan (21%)

Magenta (45%)

Yellow (0%)

Black (2%)



Cyan (22%)


Magenta (46%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2841, 0.2733, 0.2036 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 37.2841, 0.2733, 0.2036 by changing the saturation by 10% instead.


 37.2841, 0.2733,
0.2036


 37.2841, 0.2733,
0.2036


334.5389, 0.2949,
0.2614

 25.4275, 0.2676,
0.1908


 71.0095, 0.2814,
0.2234

 16.3959, 0.2602,
0.1752


 93.6472, 0.2844,
0.2312

 9.8047, 0.2503,
0.1561


 120.6473, 0.2869,
0.2380

 5.2697, 0.2365,
0.1324

152.3943, 0.2890,
0.2439

 2.4063, 0.2165,
0.1027

189.2725, 0.2908,
0.2491

 0.8291, 0.1861,
0.0664

231.6665, 0.2923,

 0.0000, 0.1424,

0.2537

0.0000

279.9604, 0.2937,
0.2578

0.0000, 0.0000,
0.0000

37.2841, 0.2733,
0.2036

37.2841, 0.2733,
0.2036

29.3765, 0.2615,
0.1750

46.9780, 0.2841,
0.2331

23.1319, 0.2492,
0.1487

58.5615, 0.2938,
0.2623

18.4180, 0.2368,
0.1262

72.1348, 0.3023,
0.2904

15.0792, 0.2248,
0.1087

87.7899, 0.3095,
0.3166

12.9246, 0.2137,
0.0967

99.7425, 0.3150,
0.3329

■ 12.1547, 0.2085,
0.0922

Harmonies

Analogous

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



37.2841, 0.2008, 0.1882



37.2841, 0.2733, 0.2036



37.2841, 0.3713, 0.2427

Triad

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



37.2841, 0.2733, 0.2036



37.2841, 0.4806, 0.4321



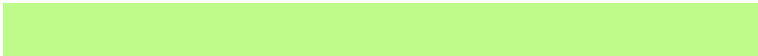
37.2841, 0.1789, 0.3361

Complementary

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



37.2841, 0.2733, 0.2036



81.7498, 0.3374, 0.4575

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.



37.2841, 0.2404, 0.4453



37.2841, 0.2733, 0.2036



37.2841, 0.4142, 0.4915

Square

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



37.2841, 0.2733, 0.2036



37.2841, 0.5027, 0.3641



37.2841, 0.3268, 0.5079



37.2841, 0.1536, 0.2475

Rectangle

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



37.2841, 0.2733, 0.2036



37.2841, 0.4356, 0.2790



37.2841, 0.3268, 0.5079



37.2841, 0.1955, 0.3729

Sweetspot

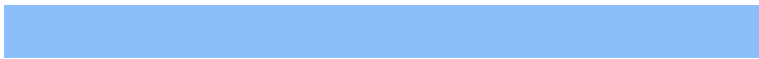
The Sweet Spot groups the original color and five complimentary colors.



37.2856, 0.2733, 0.2036



76.3165, 0.3030, 0.2931



49.5082, 0.2391, 0.2548



15.6360, 0.3013, 0.2872



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.



37.2856, 0.2733, 0.2036



31.1729, 0.2627, 0.1777



45.4109, 0.3211, 0.2220



17.1046, 0.3064, 0.3051



6.4790, 0.2102, 0.0932



0.6631, 0.2226, 0.1000

Inverse Universe

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



42.4002, 0.3767, 0.2747



37.3746, 0.3964, 0.2649



76.3207, 0.3043, 0.4660



17.3581, 0.3221, 0.3181



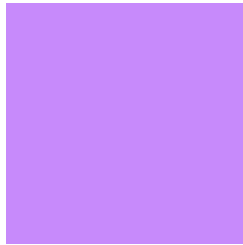
11.4656, 0.5132, 0.2601



1.0831, 0.4843, 0.2442

Previews

White Background



This preview shows how the Yxy color 37.2841, 0.2733, 0.2036 looks on a white background.

Color Contrast Check

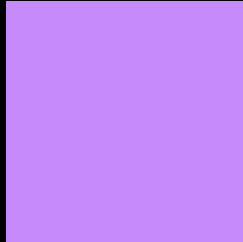
Large Text (above 18pt) WCAG AA × Fail

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 37.2841, 0.2733, 0.2036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

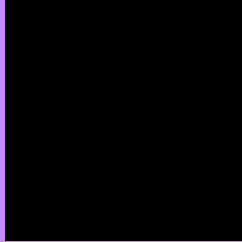
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2841, 0.2733, 0.2036

Background



This preview shows how black text looks on a background with the Yxy color 37.2841, 0.2733, 0.2036.



This preview shows how white text looks on a background with the Yxy color 37.2841, 0.2733, 0.2036.

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

37.2841, 0.2733, 0.2036

Protanopia

37.8065, 0.2260, 0.2127

Deuteranopia

37.7939, 0.2296, 0.2236



Tritanopia

37.2928, 0.3291, 0.3129

Trichromacy



Original Color

37.2841, 0.2733, 0.2036



Protanomaly

36.9068, 0.2400, 0.2069



Deuteranomaly

37.0900, 0.2430, 0.2146



Tritanomaly

36.8834, 0.3071, 0.2668

Monochromacy



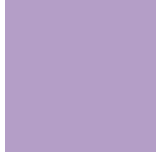
Original Color

37.2841, 0.2733, 0.2036



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

38.2805, 0.2978, 0.2756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2841, 0.2733, 0.2036 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(199, 138, 251)` looks like.

```
.text, #text, p{  
    color:rgb(199, 138, 251)  
}
```

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(199, 138, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 138, 251) }
```

Border

The CSS property to change the border of an element to Yxy 37.2841, 0.2733, 0.2036 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(199, 138, 251) }
```

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

```
.border{ border-color:rgb(199, 138, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 138, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 138, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 138, 251);  
box-shadow:4px 4px 4px 4px rgb(199, 138,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2841, 0.2733, 0.2036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 138, 251) }
```

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

```
.background{ background-color: rgb(199,  
138, 251) }
```

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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