

Converting Colors

$Y_{xy}(43.7918, 0.2284, 0.1519)$

Have a look what the booklet for
Yxy(43.7918, 0.2284, 0.1519)
contains.

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Color

Yxy(37.8274, 0.2706, 0.2013)

Conversions

Conversions Part 1

Format	Color
Hex	C78BFF
RGB	199, 139, 255
RGB Percent	78%, 55%, 100%
CMY	0.2193, 0.4550, 0.0000
CMYK	0.22, 0.46, 0.00, 0.00
HSL	271°, 100%, 77%
HSV	271°, 46%, 100%
XYZ	50.8499, 37.8274, 99.2382
YIQ	170.1640, -1.4760, 48.7960

Conversions

Conversions Part 2

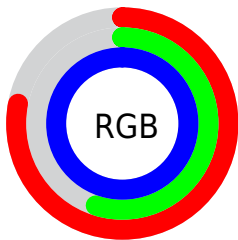
Format	Color
R _Y B	199, 139, 255
Decimal	13077503
CIE Lab	67.89, 44.29, -49.27
CIE LCh	68, 66.251, 311.956
Yxy	37.8274, 0.2706, 0.2013
Android (android.graphics.Color)	4291267583 (0xFFC78BFF)
YUV	170.1640, 41.8241, 25.2892
Hunter-Lab	61.5040, 39.9473, -52.6131

Details

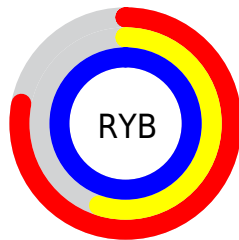
The Yxy color $37.8274, 0.2706, 0.2013$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $84.9725, 0.3393, 0.4584$, and the grayscale version is $40.0737, 0.3127, 0.3290$.

A 20% lighter version of the original color is $67.0636, 0.3155, 0.2693$, and $16.7332, 0.2570, 0.1725$ is the 20% darker color. If you saturate the color by 10%, you get $29.6720, 0.2582, 0.1724$, and if you desaturate by 10%, it is $47.8419, 0.2820, 0.2311$.

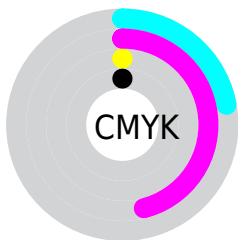
Distribution



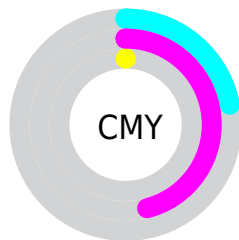
- Red (78%)
- Green (55%)
- Blue (100%)



- Red (78%)
- Yellow (55%)
- Blue (100%)



- Cyan (22%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8274, 0.2706, 0.2013 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 37.8274, 0.2706, 0.2013 by changing the saturation by 10% instead.


 37.8274, 0.2706,
0.2013


 37.8274, 0.2706,
0.2013


336.8790, 0.2934,
0.2599

 25.8488, 0.2646,
0.1884


 71.8435, 0.2792,
0.2213

 16.7105, 0.2569,
0.1728


 94.6498, 0.2823,
0.2292

 10.0283, 0.2466,
0.1537


 121.8340, 0.2849,
0.2360

 5.4177, 0.2324,
0.1301

153.7807, 0.2872,
0.2420

 2.4944, 0.2120,
0.1008

190.8741, 0.2891,
0.2473

 0.8738, 0.1816,
0.0653

233.4987, 0.2907,

 0.0000, 0.1386,

0.2520


0.0000


282.0388, 0.2922,
0.2561


 0.0000, 0.0000,
0.0000


 37.8274, 0.2706,
0.2013


 37.8274, 0.2706,
0.2013


 29.6720, 0.2582,
0.1724


 47.8419, 0.2820,
0.2311


 23.2489, 0.2453,
0.1459

 59.8261, 0.2923,
0.2606

 18.4180, 0.2324,
0.1232

 73.8845, 0.3013,
0.2889

 15.0157, 0.2200,
0.1056

 90.1132, 0.3090,
0.3154

 12.8400, 0.2087,
0.0937

100.0000, 0.3127,
0.3290

■ 12.1316, 0.2040,
0.0897

Harmonies

Analogous

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



37.8274, 0.1980, 0.1862



37.8274, 0.2706, 0.2013



37.8274, 0.3699, 0.2404

Triad

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



37.8274, 0.2706, 0.2013



37.8274, 0.4840, 0.4315



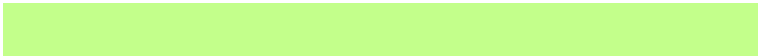
37.8274, 0.1779, 0.3385

Complementary

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



37.8274, 0.2706, 0.2013



84.9725, 0.3393, 0.4584

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.



37.8274, 0.2407, 0.4498



37.8274, 0.2706, 0.2013



37.8274, 0.4170, 0.4928

Square

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



37.8274, 0.2706, 0.2013



37.8274, 0.5056, 0.3626



37.8274, 0.3286, 0.5117



37.8274, 0.1516, 0.2476

Rectangle

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



37.8274, 0.2706, 0.2013



37.8274, 0.4357, 0.2768



37.8274, 0.3286, 0.5117



37.8274, 0.1949, 0.3761

Sweetspot

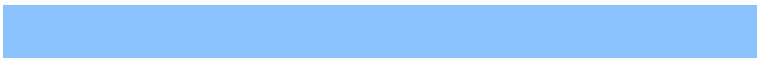
The Sweet Spot groups the original color and five complimentary colors.



37.8282, 0.2706, 0.2013



76.1806, 0.3025, 0.2930



51.7598, 0.2387, 0.2562



15.6029, 0.3007, 0.2871



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.



37.8282, 0.2706, 0.2013



30.0388, 0.2589, 0.1738



46.8129, 0.3196, 0.2193



17.8405, 0.3060, 0.3050



6.4285, 0.2056, 0.0906



0.6910, 0.2177, 0.0973

Inverse Universe

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



43.6526, 0.3751, 0.2715



36.8568, 0.3951, 0.2608



78.9267, 0.3051, 0.4703



18.1330, 0.3218, 0.3176



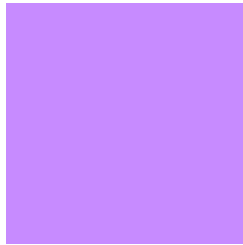
11.8849, 0.5041, 0.2550



1.1791, 0.4776, 0.2405

Previews

White Background



This preview shows how the Yxy color 37.8274, 0.2706, 0.2013 looks on a white background.

Color Contrast Check

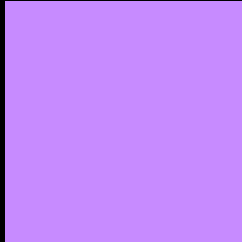
Large Text (above 18pt) WCAG AA × Fail

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 37.8274, 0.2706, 0.2013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

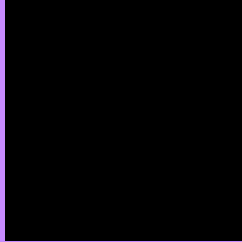
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8274, 0.2706, 0.2013

Background



This preview shows how black text looks on a background with the Yxy color 37.8274, 0.2706, 0.2013.



This preview shows how white text looks on a background with the Yxy color 37.8274, 0.2706, 0.2013.

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

37.8274, 0.2706, 0.2013

Protanopia

38.2397, 0.2268, 0.2141

Deuteranopia

38.2480, 0.2268, 0.2207



Tritanopia

37.7083, 0.3271, 0.3116

Trichromacy



Original Color

37.8274, 0.2706, 0.2013



Protanomaly

37.3991, 0.2403, 0.2075



Deuteranomaly

37.5775, 0.2403, 0.2120

Tritanomaly

37.3446, 0.3044, 0.2646

Monochromacy



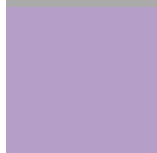
Original Color

37.8274, 0.2706, 0.2013



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.8371, 0.2971, 0.2747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8274, 0.2706, 0.2013 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, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 139, 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(199, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 139, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.8274, 0.2706, 0.2013 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, 139, 255) }
```

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

```
.border{ border-color:rgb(199, 139, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 139,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8274, 0.2706, 0.2013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 139, 255) }
```

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

```
.background{ background-color: rgb(199,  
139, 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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