

Converting Colors

$Y_{xy}(42.8681, 0.2757, 0.2173)$

Have a look what the booklet for
Yxy(42.8681, 0.2757, 0.2173)
contains.

Yxy(42.8398, 0.2756, 0.2172)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.8398, 0.2756, 0.2172)

Conversions

Conversions Part 1

Format	Color
Hex	CC99FF
RGB	204, 153, 255
RGB Percent	80%, 60%, 100%
CMY	0.1998, 0.4001, 0.0000
CMYK	0.20, 0.40, 0.00, 0.00
HSL	270°, 100%, 80%
HSV	270°, 40%, 100%
XYZ	54.3584, 42.8398, 100.0384
YIQ	179.8770, -2.3460, 42.5340

Conversions

Conversions Part 2

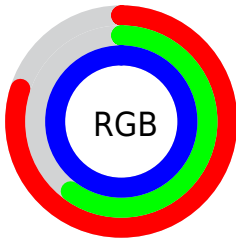
Format	Color
RYB	204, 153, 255
Decimal	13408767
CIELab	71.45, 38.11, -43.66
CIELCh	71, 57.953, 311.114
Yxy	42.8398, 0.2756, 0.2172
Android (android.graphics.Color)	4291598847 (0xFFCC99FF)
YUV	179.8770, 37.0356, 21.1559
Hunter-Lab	65.4521, 33.7042, -44.8036

Details

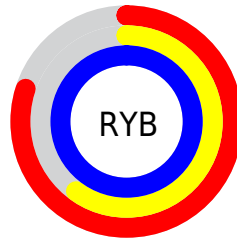
The Yxy color **42.8398, 0.2756, 0.2172** is a light color, and the websafe version is hex **CC99FF**, and the color name is **pale violet**. A complement of this color would be **86.6445, 0.3380, 0.4412**, and the grayscale version is **45.3717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5918, 0.3149, 0.2831**, and **19.6805, 0.2639, 0.1919** is the 20% darker color. If you saturate the color by 10%, you get **33.6401, 0.2633, 0.1874**, and if you desaturate by 10%, it is **53.9692, 0.2868, 0.2472**.

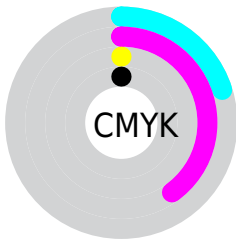
Distribution



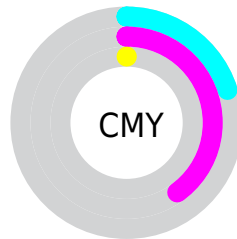
- Red (80%)
- Green (60%)
- Blue (100%)



- Red (80%)
- Yellow (60%)
- Blue (100%)



- Cyan (20%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8398, 0.2756, 0.2172 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 42.8398, 0.2756, 0.2172 by changing the saturation by 10% instead.


 42.8398, 0.2756,
0.2172

 42.8398, 0.2756,
0.2172


357.9525, 0.2953,
0.2685

 29.7594, 0.2705,
0.2058


 79.4691, 0.2829,
0.2348

 19.6561, 0.2640,
0.1920


 103.7867, 0.2856,
0.2417

 12.1453, 0.2554,
0.1749

132.6190, 0.2879,
0.2477

 6.8427, 0.2436,
0.1535

166.3502, 0.2898,
0.2529

 3.3639, 0.2266,
0.1262

205.3648, 0.2915,
0.2575

 1.3245, 0.2009,
0.0914

250.0471, 0.2929,

 0.1601, 0.1645,

0.2616

0.0238

300.7815, 0.2942,
0.2652

0.0000, 0.0122,
0.0000

0.0000, 0.0000,
0.0000

42.8398, 0.2756,
0.2172

42.8398, 0.2756,
0.2172

33.6401, 0.2633,
0.1874

53.9692, 0.2868,
0.2472

26.2529, 0.2502,
0.1591

67.1373, 0.2968,
0.2763

20.5464, 0.2368,
0.1338

82.4434, 0.3054,
0.3037

16.3703, 0.2237,
0.1130

99.9807, 0.3127,
0.3290

■ 13.5457, 0.2115,
0.0978

100.0000, 0.3127,
0.3290

■ 11.7843, 0.2005,
0.0878

Harmonies

Analogous

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



42.8398, 0.2125, 0.2049



42.8398, 0.2756, 0.2172



42.8398, 0.3593, 0.2515

Triad

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



42.8398, 0.2756, 0.2172



42.8398, 0.4620, 0.4202



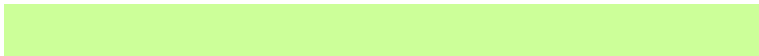
42.8398, 0.1985, 0.3412

Complementary

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



42.8398, 0.2756, 0.2172



86.6445, 0.3380, 0.4412

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.



42.8398, 0.2552, 0.4303



42.8398, 0.2756, 0.2172



42.8398, 0.4074, 0.4692

Square

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



42.8398, 0.2756, 0.2172



42.8398, 0.4759, 0.3604



42.8398, 0.3318, 0.4806



42.8398, 0.1730, 0.2633

Rectangle

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



42.8398, 0.2756, 0.2172



42.8398, 0.4142, 0.2837



42.8398, 0.3318, 0.4806



42.8398, 0.2142, 0.3718

Sweetspot

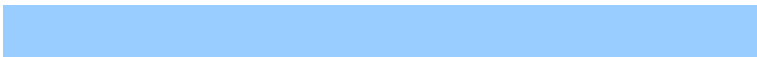
The Sweet Spot groups the original color and five complimentary colors.



42.8394, 0.2756, 0.2172



79.2231, 0.3038, 0.2984



57.1692, 0.2480, 0.2686



16.5147, 0.3027, 0.2948



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.



42.8394, 0.2756, 0.2172



35.3399, 0.2659, 0.1933



51.2538, 0.3174, 0.2301



17.8245, 0.3058, 0.3050



6.2463, 0.2022, 0.0888



0.6731, 0.2145, 0.0955

Inverse Universe

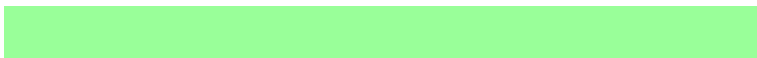
The Inverse Universe completely reimagines the original color for something new.



48.3894, 0.3630, 0.2766



41.8080, 0.3778, 0.2665



80.5888, 0.3069, 0.4527



18.1384, 0.3215, 0.3172



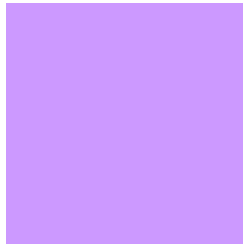
11.9440, 0.4967, 0.2510



1.1850, 0.4713, 0.2370

Previews

White Background



This preview shows how the Yxy color 42.8398, 0.2756, 0.2172 looks on a white background.

Color Contrast Check

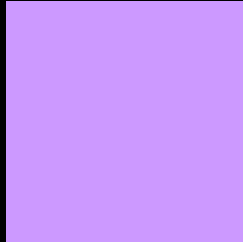
Large Text (above 18pt) WCAG AA × Fail

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 42.8398, 0.2756, 0.2172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

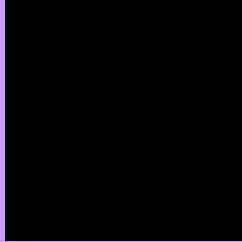
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8398, 0.2756, 0.2172

Background



This preview shows how black text looks on a background with the Yxy color 42.8398, 0.2756, 0.2172.



This preview shows how white text looks on a background with the Yxy color 42.8398, 0.2756, 0.2172.

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

42.8398, 0.2756, 0.2172

Protanopia

43.3102, 0.2383, 0.2292

Deuteranopia

43.3481, 0.2400, 0.2343



Tritanopia

42.9598, 0.3226, 0.3123

Trichromacy



Original Color

42.8398, 0.2756, 0.2172



Protanomaly

42.8173, 0.2504, 0.2242



Deuteranomaly

42.5162, 0.2515, 0.2268



Tritanomaly

42.5336, 0.3038, 0.2728

Monochromacy



Original Color

42.8398, 0.2756, 0.2172



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

44.0733, 0.2993, 0.2829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8398, 0.2756, 0.2172 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(204, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 153, 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(204, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.8398, 0.2756, 0.2172 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(204, 153, 255) }
```

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

```
.border{ border-color:rgb(204, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8398, 0.2756, 0.2172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 153, 255) }
```

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

```
.background{ background-color: rgb(204,  
153, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor