

Converting Colors

$Y_{xy}(42.0494, 0.2457, 0.1696)$

Have a look what the booklet for
Yxy(42.0494, 0.2457, 0.1696)
contains.

Yxy(38.5226, 0.2747, 0.2028)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.5226, 0.2747, 0.2028)

Conversions

Conversions Part 1

Format	Color
Hex	CC8BFF
RGB	204, 139, 255
RGB Percent	80%, 55%, 100%
CMY	0.1999, 0.4549, 0.0002
CMYK	0.20, 0.45, 0.00, 0.00
HSL	274°, 100%, 77%
HSV	274°, 45%, 100%
XYZ	52.1803, 38.5226, 99.2508
YIQ	171.6590, 1.5040, 49.8560

Conversions

Conversions Part 2

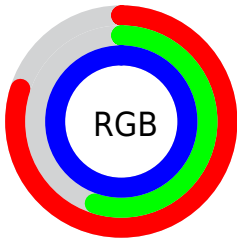
Format	Color
RYB	204, 139, 255
Decimal	13405183
CIELab	68.40, 45.60, -48.40
CIELCh	68, 66.494, 313.297
Yxy	38.5226, 0.2747, 0.2028
Android (android.graphics.Color)	4291595263 (0xFFCC8BFF)
YUV	171.6590, 41.0871, 28.3631
Hunter-Lab	62.0666, 41.4510, -51.3641

Details

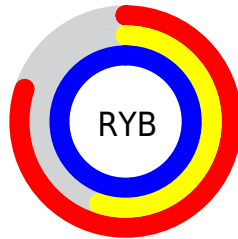
The Yxy color **38.5226, 0.2747, 0.2028** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.2930, 0.3361, 0.4597**, and the grayscale version is **40.8638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0636, 0.3155, 0.2693**, and **17.0967, 0.2613, 0.1743** is the 20% darker color. If you saturate the color by 10%, you get **30.4551, 0.2634, 0.1746**, and if you desaturate by 10%, it is **48.4283, 0.2851, 0.2320**.

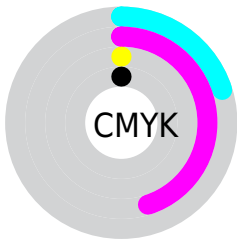
Distribution



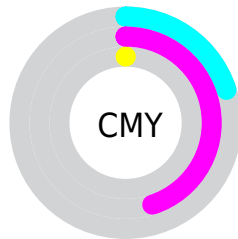
- Red (80%)
- Green (55%)
- Blue (100%)



- Red (80%)
- Yellow (55%)
- Blue (100%)



- Cyan (20%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5226, 0.2747, 0.2028 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 38.5226, 0.2747, 0.2028 by changing the saturation by 10% instead.


 38.5226, 0.2747,
0.2028


 38.5226, 0.2747,
0.2028


339.8565, 0.2955,
0.2606

 26.3885, 0.2692,
0.1901


 72.9084, 0.2825,
0.2225

 17.1145, 0.2621,
0.1747


 95.9290, 0.2854,
0.2303

 10.3162, 0.2526,
0.1559


 123.3472, 0.2878,
0.2370

 5.6091, 0.2394,
0.1327

155.5475, 0.2898,
0.2429

 2.6089, 0.2203,
0.1037

192.9141, 0.2916,
0.2481

 0.9311, 0.1915,
0.0684

235.8316, 0.2931,


 0.0000, 0.1509,


0.2527


0.0000


284.6842, 0.2944,
0.2569

 0.0000, 0.0000,
0.0000

 38.5226, 0.2747,
0.2028


 38.5226, 0.2747,
0.2028


 30.4551, 0.2634,
0.1746


 48.4283, 0.2851,
0.2320


 24.0974, 0.2516,
0.1488

 60.2796, 0.2943,
0.2611

 19.3114, 0.2396,
0.1269

 74.1808, 0.3024,
0.2891

 15.9343, 0.2281,
0.1100

 90.2275, 0.3094,
0.3154

 13.7654, 0.2174,
0.0985

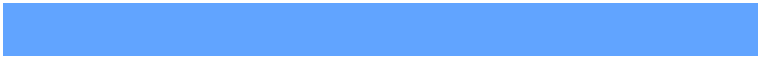
99.9968, 0.3127,
0.3290

■ 13.0513, 0.2128,
0.0946

Harmonies

Analogous

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



38.5226, 0.2007, 0.1866



38.5226, 0.2747, 0.2028



38.5226, 0.3744, 0.2428

Triad

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



38.5226, 0.2747, 0.2028



38.5226, 0.4815, 0.4344



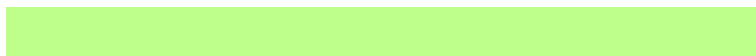
38.5226, 0.1762, 0.3336

Complementary

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



38.5226, 0.2747, 0.2028



84.2930, 0.3361, 0.4597

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.



38.5226, 0.2374, 0.4450



38.5226, 0.2747, 0.2028



38.5226, 0.4132, 0.4946

Square

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



38.5226, 0.2747, 0.2028



38.5226, 0.5055, 0.3656



38.5226, 0.3245, 0.5103



38.5226, 0.1516, 0.2447

Rectangle

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



38.5226, 0.2747, 0.2028



38.5226, 0.4394, 0.2796



38.5226, 0.3245, 0.5103



38.5226, 0.1926, 0.3709

Sweetspot

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



38.5241, 0.2747, 0.2028



76.4455, 0.3035, 0.2931



50.0481, 0.2378, 0.2513



15.6674, 0.3019, 0.2873



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.



38.5241, 0.2747, 0.2028



30.8125, 0.2640, 0.1759



46.5678, 0.3228, 0.2225



17.8801, 0.3067, 0.3051



6.9125, 0.2144, 0.0955



0.7378, 0.2260, 0.1018

Inverse Universe

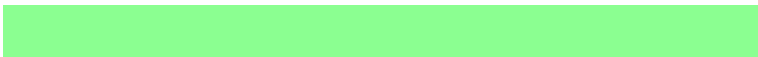
The Inverse Universe completely reimagines the original color for something new.



43.4340, 0.3803, 0.2765



36.6136, 0.4023, 0.2668



79.0166, 0.3033, 0.4655



18.1197, 0.3225, 0.3186



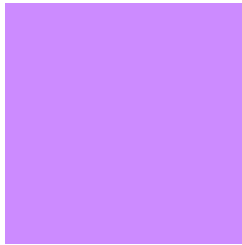
11.7493, 0.5221, 0.2650



1.1655, 0.4936, 0.2493

Previews

White Background



This preview shows how the Yxy color 38.5226, 0.2747, 0.2028 looks on a white background.

Color Contrast Check

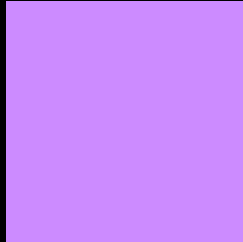
Large Text (above 18pt) WCAG AA × Fail

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 38.5226, 0.2747, 0.2028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

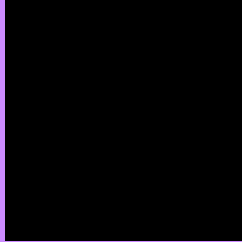
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5226, 0.2747, 0.2028

Background



This preview shows how black text looks on a background with the Yxy color 38.5226, 0.2747, 0.2028.



This preview shows how white text looks on a background with the Yxy color 38.5226, 0.2747, 0.2028.

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

38.5226, 0.2747, 0.2028

Protanopia

38.8393, 0.2287, 0.2159

Deuteranopia

38.9204, 0.2293, 0.2226



Tritanopia

38.3411, 0.3320, 0.3119

Trichromacy



Original Color

38.5226, 0.2747, 0.2028



Protanomaly

38.0336, 0.2425, 0.2093



Deuteranomaly

37.9733, 0.2430, 0.2128



Tritanomaly

37.9996, 0.3091, 0.2655

Monochromacy



Original Color

38.5226, 0.2747, 0.2028



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.5962, 0.2989, 0.2753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5226, 0.2747, 0.2028 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, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 139, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.5226, 0.2747, 0.2028 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, 139, 255) }
```

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

```
.border{ border-color:rgb(204, 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(204, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 139,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5226, 0.2747, 0.2028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 139, 255) }
```

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

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

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