

Converting Colors

$Y_{xy}(38.5350, 0.2753, 0.2301)$

Have a look what the booklet for
Yxy(38.5350, 0.2753, 0.2301)
contains.

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Color

Yxy(38.5128, 0.2756, 0.2299)

Conversions

Conversions Part 1

Format	Color
Hex	BA97EA
RGB	186, 151, 234
RGB Percent	73%, 59%, 92%
CMY	0.2705, 0.4078, 0.0824
CMYK	0.21, 0.35, 0.00, 0.08
HSL	265°, 66%, 75%
HSV	265°, 35%, 92%
XYZ	46.1685, 38.5128, 82.8385
YIQ	170.9270, -5.7830, 33.2330

Conversions

Conversions Part 2

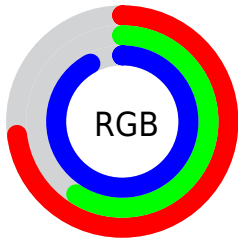
Format	Color
R _{YB}	186, 151, 234
Decimal	12228586
CIE _{Lab}	68.40, 29.26, -37.07
CIE _{LCh}	68, 47.227, 308.288
Yxy	38.5128, 0.2756, 0.2299
Android (android.graphics.Color)	4290418666 (0xFFBA97EA)
YUV	170.9270, 31.0950, 13.2190
Hunter-Lab	62.0587, 24.1921, -35.7017

Details

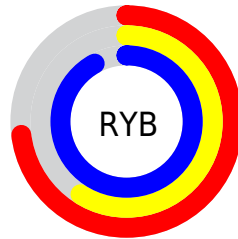
The Yxy color **38.5128, 0.2756, 0.2299** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **73.2180, 0.3403, 0.4254**, and the grayscale version is **40.5307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4173, 0.3063, 0.2798**, and **17.1540, 0.2633, 0.2057** is the 20% darker color. If you saturate the color by 10%, you get **30.1002, 0.2620, 0.1989**, and if you desaturate by 10%, it is **48.5836, 0.2879, 0.2602**.

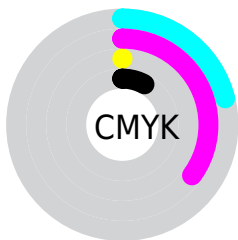
Distribution



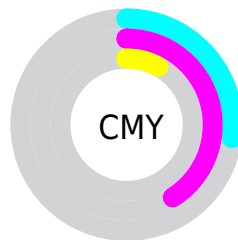
- Red (73%)
- Green (59%)
- Blue (92%)



- Red (73%)
- Yellow (59%)
- Blue (92%)



- Cyan (21%)
- Magenta (35%)
- Yellow (0%)
- Black (8%)





- Cyan (27%)
- Magenta (41%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5128, 0.2756, 0.2299 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 38.5128, 0.2756, 0.2299 by changing the saturation by 10% instead.


 38.5128, 0.2756,
0.2299


 38.5128, 0.2756,
0.2299


339.8147, 0.2953,
0.2771

 26.3809, 0.2704,
0.2190


 72.8934, 0.2830,
0.2464

 17.1088, 0.2637,
0.2054


 95.9110, 0.2857,
0.2528

 10.3121, 0.2547,
0.1883


123.3259, 0.2879,
0.2583

 5.6064, 0.2421,
0.1662

155.5226, 0.2899,
0.2631

 2.6073, 0.2234,
0.1369

192.8854, 0.2915,
0.2672

 0.9303, 0.1940,
0.0977

235.7988, 0.2930,

 0.0000, 0.1447,

0.2709

0.0000

284.6470, 0.2942,
0.2742

0.0000, 0.0000,
0.0000

38.5128, 0.2756,
0.2299

38.5128, 0.2756,
0.2299

30.1002, 0.2620,
0.1989

48.5836, 0.2879,
0.2602

23.2477, 0.2474,
0.1686

60.3937, 0.2988,
0.2889

17.8541, 0.2323,
0.1405

74.0245, 0.3082,
0.3155

13.8036, 0.2175,
0.1162

89.5506, 0.3162,
0.3397

10.9617, 0.2037,
0.0973

98.4662, 0.3241,
0.3494

■ 9.1640, 0.1915,
0.0845

■ 98.7203, 0.3250,
0.3493

■ 8.5764, 0.1866,
0.0802

Harmonies

Analogous

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



38.5128, 0.2225, 0.2214



38.5128, 0.2756, 0.2299



38.5128, 0.3458, 0.2586

Triad

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



38.5128, 0.2756, 0.2299



38.5128, 0.4438, 0.4057



38.5128, 0.2186, 0.3474

Complementary

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



38.5128, 0.2756, 0.2299



73.2180, 0.3403, 0.4254

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.



38.5128, 0.2706, 0.4187



38.5128, 0.2756, 0.2299



38.5128, 0.4012, 0.4467

Square

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



38.5128, 0.2756, 0.2299



38.5128, 0.4498, 0.3538



38.5128, 0.3375, 0.4567



38.5128, 0.1926, 0.2797

Rectangle

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



38.5128, 0.2756, 0.2299



38.5128, 0.3926, 0.2864



38.5128, 0.3375, 0.4567



38.5128, 0.2334, 0.3726

Sweetspot

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



38.5144, 0.2756, 0.2299



80.4437, 0.3031, 0.3009



53.5577, 0.2569, 0.2859



16.7436, 0.3018, 0.2972



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.



38.5144, 0.2756, 0.2299



38.7327, 0.2652, 0.2060



44.4178, 0.3108, 0.2396



14.8594, 0.3046, 0.3051



4.8900, 0.1882, 0.0810



0.4395, 0.2037, 0.0896

Inverse Universe

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



43.7483, 0.3487, 0.2758



46.2088, 0.3597, 0.2643



68.3384, 0.3121, 0.4344



15.2001, 0.3202, 0.3155



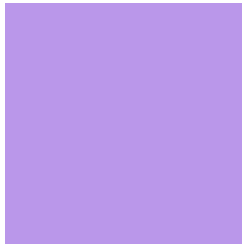
10.8431, 0.4628, 0.2323



0.8706, 0.4377, 0.2185

Previews

White Background



This preview shows how the Yxy color 38.5128, 0.2756, 0.2299 looks on a white background.

Color Contrast Check

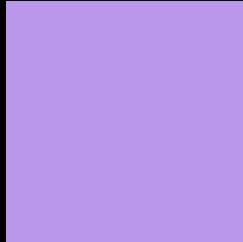
Large Text (above 18pt) WCAG AA × Fail

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 38.5128, 0.2756, 0.2299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

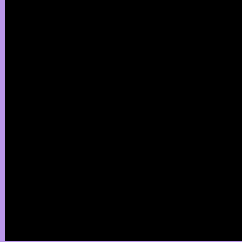
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5128, 0.2756, 0.2299

Background



This preview shows how black text looks on a background with the Yxy color 38.5128, 0.2756, 0.2299.



This preview shows how white text looks on a background with the Yxy color 38.5128, 0.2756, 0.2299.

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

38.5128, 0.2756, 0.2299

Protanopia

38.7189, 0.2372, 0.2264

Deuteranopia

38.7908, 0.2491, 0.2432



Tritanopia

38.5591, 0.3135, 0.3113

Trichromacy



Original Color

38.5128, 0.2756, 0.2299

Protanomaly

38.3152, 0.2498, 0.2269

Deuteranomaly

38.5449, 0.2583, 0.2380

Tritanomaly

38.5308, 0.2995, 0.2794

Monochromacy



Original Color

38.5128, 0.2756, 0.2299

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.6761, 0.2984, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5128, 0.2756, 0.2299 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(186, 151, 234)` looks like.

```
.text, #text, p{  
    color:rgb(186, 151, 234)  
}
```

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(186, 151, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 151, 234) }
```

Border

The CSS property to change the border of an element to Yxy 38.5128, 0.2756, 0.2299 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(186, 151, 234) }
```

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

```
.border{ border-color:rgb(186, 151, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 151, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 151, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 151, 234);  
box-shadow:4px 4px 4px 4px rgb(186, 151,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5128, 0.2756, 0.2299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 151, 234) }
```

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

```
.background{ background-color: rgb(186,  
151, 234) }
```

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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