

Converting Colors

$Y_{xy}(38.0358, 0.2609, 0.2046)$

Have a look what the booklet for
Yxy(38.0358, 0.2609, 0.2046)
contains.

Yxy(37.9099, 0.2608, 0.2041)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.9099, 0.2608, 0.2041)

Conversions

Conversions Part 1

Format	Color
Hex	BA91FF
RGB	186, 145, 255
RGB Percent	73%, 57%, 100%
CMY	0.2703, 0.4315, 0.0000
CMYK	0.27, 0.43, 0.00, 0.00
HSL	262°, 100%, 78%
HSV	262°, 43%, 100%
XYZ	48.4415, 37.9099, 99.3904
YIQ	169.7990, -10.8740, 42.9020

Conversions

Conversions Part 2

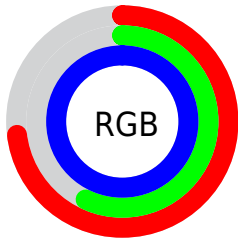
Format	Color
R_{YB}	186, 145, 255
Decimal	12227071
CIE _{Lab}	67.95, 37.52, -49.26
CIE _{LCh}	68, 61.922, 307.293
Yxy	37.9099, 0.2608, 0.2041
Android (android.graphics.Color)	4290417151 (0xFFBA91FF)
YUV	169.7990, 42.0041, 14.2083
Hunter-Lab	61.5710, 32.6869, -52.6086

Details

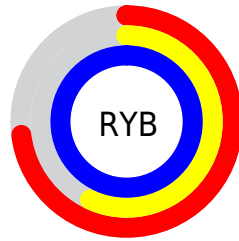
The Yxy color `37.9099, 0.2608, 0.2041` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `87.8429, 0.3489, 0.4470`, and the grayscale version is `39.8863, 0.3127, 0.3290`.

A 20% lighter version of the original color is `67.2999, 0.3072, 0.2728`, and `16.8285, 0.2446, 0.1759` is the 20% darker color. If you saturate the color by 10%, you get `29.0831, 0.2452, 0.1727`, and if you desaturate by 10%, it is `48.7089, 0.2753, 0.2358`.

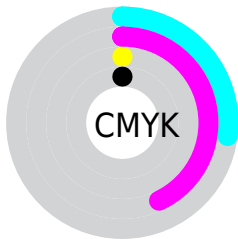
Distribution



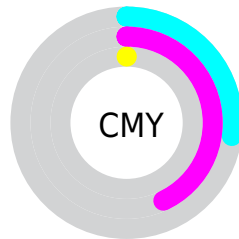
- Red (73%)
- Green (57%)
- Blue (100%)



- Red (73%)
- Yellow (57%)
- Blue (100%)



- Cyan (27%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9099, 0.2608, 0.2041 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 37.9099, 0.2608, 0.2041 by changing the saturation by 10% instead.

 37.9099, 0.2608,
0.2041


 37.9099, 0.2608,
0.2041


337.2333, 0.2882,
0.2619

 25.9128, 0.2538,
0.1913


 71.9700, 0.2709,
0.2239

 16.7584, 0.2449,
0.1757


 94.8018, 0.2747,
0.2317

 10.0624, 0.2332,
0.1566


122.0139, 0.2778,
0.2385

 5.4403, 0.2172,
0.1329

153.9907, 0.2805,
0.2443

 2.5079, 0.1946,
0.1033

191.1167, 0.2828,
0.2495

 0.8806, 0.1618,
0.0672

233.7762, 0.2848,


 0.0000, 0.1155,


0.2541


0.0000

282.3536, 0.2866,
0.2582


 0.0000, 0.0000,
0.0000


 37.9099, 0.2608,
0.2041


 37.9099, 0.2608,
0.2041


 29.0831, 0.2452,
0.1727


 48.7089, 0.2753,
0.2358


 22.1028, 0.2291,
0.1430


 61.5944, 0.2884,
0.2663

 16.8280, 0.2133,
0.1171

 76.6721, 0.2999,
0.2950

 13.0967, 0.1986,
0.0965

 94.0401, 0.3099,
0.3212

 10.7129, 0.1859,
0.0822

100.0000, 0.3127,
0.3290

■ 9.6676, 0.1785,
0.0757

Harmonies

Analogous

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



37.9099, 0.1965, 0.1938



37.9099, 0.2608, 0.2041



37.9099, 0.3515, 0.2382

Triad

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



37.9099, 0.2608, 0.2041



37.9099, 0.4812, 0.4179



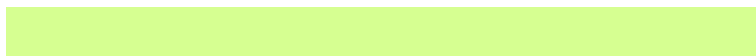
37.9099, 0.1929, 0.3546

Complementary

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



37.9099, 0.2608, 0.2041



87.8429, 0.3489, 0.4470

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.



37.9099, 0.2579, 0.4543



37.9099, 0.2608, 0.2041



37.9099, 0.4242, 0.4767

Square

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



37.9099, 0.2608, 0.2041



37.9099, 0.4914, 0.3525



37.9099, 0.3427, 0.5008



37.9099, 0.1618, 0.2641

Rectangle

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



37.9099, 0.2608, 0.2041



37.9099, 0.4144, 0.2716



37.9099, 0.3427, 0.5008



37.9099, 0.2111, 0.3897

Sweetspot

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



37.9099, 0.2608, 0.2041



76.9152, 0.3001, 0.2954



61.6621, 0.2460, 0.2812



15.7076, 0.2977, 0.2893



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.



37.9099, 0.2608, 0.2041



30.0016, 0.2471, 0.1762



46.0439, 0.3053, 0.2189



17.7083, 0.3037, 0.3048



5.1295, 0.1801, 0.0766



0.5593, 0.1925, 0.0834

Inverse Universe

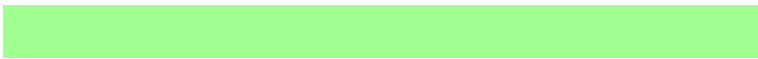
The Inverse Universe completely reimagines the original color for something new.



46.3504, 0.3547, 0.2590



39.7074, 0.3671, 0.2457



80.9998, 0.3145, 0.4608



18.1785, 0.3196, 0.3142



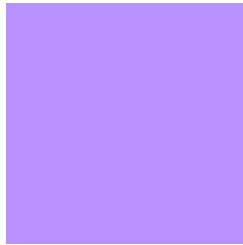
12.4599, 0.4437, 0.2218



1.2344, 0.4259, 0.2120

Previews

White Background



This preview shows how the Yxy color 37.9099, 0.2608, 0.2041 looks on a white background.

Color Contrast Check

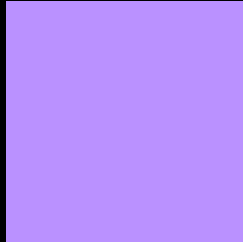
Large Text (above 18pt) WCAG AA × Fail

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 37.9099, 0.2608, 0.2041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

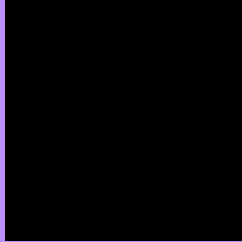
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9099, 0.2608, 0.2041

Background



This preview shows how black text looks on a background with the Yxy color 37.9099, 0.2608, 0.2041.



This preview shows how white text looks on a background with the Yxy color 37.9099, 0.2608, 0.2041.

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

37.9099, 0.2608, 0.2041

Protanopia

38.3199, 0.2274, 0.2143

Deuteranopia

38.2353, 0.2258, 0.2196



Tritanopia

37.9475, 0.3098, 0.3124

Trichromacy



Original Color

37.9099, 0.2608, 0.2041



Protanomaly

37.6723, 0.2380, 0.2091



Deuteranomaly

37.6850, 0.2368, 0.2133



Tritanomaly

37.3667, 0.2901, 0.2664

Monochromacy



Original Color

37.9099, 0.2608, 0.2041



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.9369, 0.2927, 0.2767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9099, 0.2608, 0.2041 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, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 145, 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(186, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.9099, 0.2608, 0.2041 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, 145, 255) }
```

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

```
.border{ border-color:rgb(186, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9099, 0.2608, 0.2041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 145, 255) }
```

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

```
.background{ background-color: rgb(186,  
145, 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