

Converting Colors

$Y_{xy}(37.1737, 0.2670, 0.2267)$

Have a look what the booklet for
Yxy(37.1737, 0.2670, 0.2267)
contains.

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Color

Yxy(37.3038, 0.2674, 0.2277)

Conversions

Conversions Part 1

Format	Color
Hex	B097EA
RGB	176, 151, 234
RGB Percent	69%, 59%, 92%
CMY	0.3101, 0.4077, 0.0824
CMYK	0.25, 0.35, 0.00, 0.08
HSL	258°, 66%, 75%
HSV	258°, 35%, 92%
XYZ	43.8078, 37.3038, 82.7171
YIQ	167.9370, -11.7430, 31.1130

Conversions

Conversions Part 2

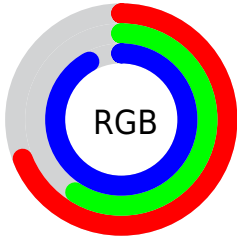
Format	Color
R _Y B	176, 151, 234
Decimal	11573226
CIE Lab	67.50, 26.29, -38.52
CIE LCh	68, 46.637, 304.318
Yxy	37.3038, 0.2674, 0.2277
Android (android.graphics.Color)	4289763306 (0xFFB097EA)
YUV	167.9370, 32.5691, 7.0713
Hunter-Lab	61.0768, 21.1459, -37.5434

Details

The Yxy color $37.3038, 0.2674, 0.2277$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $74.6366, 0.3476, 0.4230$, and the grayscale version is $38.9647, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.2063, 0.2992, 0.2777$, and $16.4663, 0.2536, 0.2025$ is the 20% darker color. If you saturate the color by 10%, you get $28.7106, 0.2511, 0.1952$, and if you desaturate by 10%, it is $47.6247, 0.2823, 0.2591$.

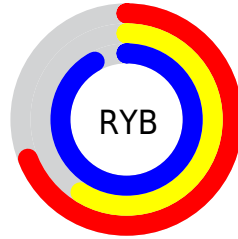
Distribution



Red (69%)

Green (59%)

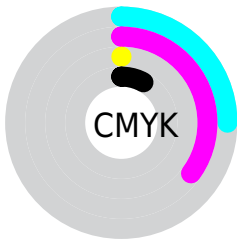
Blue (92%)



Red (69%)

Yellow (59%)

Blue (92%)

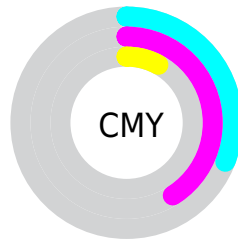


Cyan (25%)

Magenta (35%)

Yellow (0%)

Black (8%)



Cyan (31%)


Magenta (41%)


Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3038, 0.2674, 0.2277 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 37.3038, 0.2674, 0.2277 by changing the saturation by 10% instead.


 37.3038, 0.2674,
0.2277


 37.3038, 0.2674,
0.2277


334.6239, 0.2912,
0.2762

 25.4428, 0.2612,
0.2164


 71.0398, 0.2762,
0.2448

 16.4073, 0.2533,
0.2024


 93.6836, 0.2795,
0.2513

 9.8128, 0.2426,
0.1847


120.6904, 0.2823,
0.2570

 5.2750, 0.2278,
0.1617

152.4446, 0.2846,
0.2619

 2.4095, 0.2062,
0.1314

189.3307, 0.2866,
0.2661

 0.8308, 0.1730,
0.0910

231.7330, 0.2883,

 0.0000, 0.1056,

0.2699

0.0000

280.0360, 0.2899,
0.2732

■ 0.0000, 0.0000,
0.0000

■ 37.3038, 0.2674,
0.2277

■ 37.3038, 0.2674,
0.2277

■ 28.7106, 0.2511,
0.1952

■ 47.6247, 0.2823,
0.2591

■ 21.7436, 0.2339,
0.1631

■ 59.7581, 0.2955,
0.2885

■ 16.2975, 0.2166,
0.1332

■ 73.7886, 0.3071,
0.3155

■ 12.2522, 0.2001,
0.1074

■ 89.7939, 0.3170,
0.3397

■ 9.4686, 0.1854,
0.0876

■ 98.7193, 0.3250,
0.3493

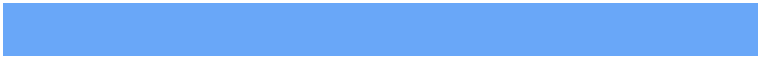
■ 7.7769, 0.1735,
0.0746

■ 7.2501, 0.1689,
0.0704

Harmonies

Analogous

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



37.3038, 0.2175, 0.2222



37.3038, 0.2674, 0.2277



37.3038, 0.3361, 0.2539

Triad

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



37.3038, 0.2674, 0.2277



37.3038, 0.4468, 0.3990



37.3038, 0.2243, 0.3574

Complementary

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



37.3038, 0.2674, 0.2277



74.6366, 0.3476, 0.4230

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.



37.3038, 0.2791, 0.4262



37.3038, 0.2674, 0.2277



37.3038, 0.4082, 0.4423

Square

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



37.3038, 0.2674, 0.2277



37.3038, 0.4471, 0.3467



37.3038, 0.3465, 0.4577



37.3038, 0.1946, 0.2875

Rectangle

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



37.3038, 0.2674, 0.2277



37.3038, 0.3837, 0.2805



37.3038, 0.3465, 0.4577



37.3038, 0.2402, 0.3823

Sweetspot

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



37.3053, 0.2674, 0.2277



79.8560, 0.3008, 0.3007



58.1696, 0.2587, 0.2983



16.6041, 0.2992, 0.2970



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.



37.3053, 0.2674, 0.2277



37.0741, 0.2549, 0.2026



42.8948, 0.3023, 0.2373



14.7681, 0.3027, 0.3050



4.1321, 0.1703, 0.0712



0.3729, 0.1850, 0.0793

Inverse Universe

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



44.2403, 0.3390, 0.2654



46.8965, 0.3468, 0.2517



69.3528, 0.3184, 0.4323



15.2323, 0.3184, 0.3127



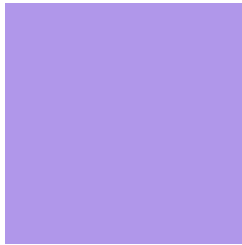
11.3544, 0.4145, 0.2057



0.9085, 0.3984, 0.1968

Previews

White Background



This preview shows how the Yxy color 37.3038, 0.2674, 0.2277 looks on a white background.

Color Contrast Check

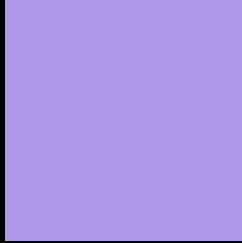
Large Text (above 18pt) WCAG AA × Fail

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 37.3038, 0.2674, 0.2277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

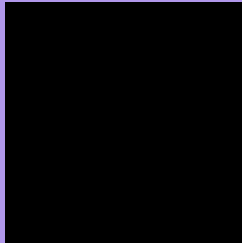
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3038, 0.2674, 0.2277

Background



This preview shows how black text looks on a background with the Yxy color 37.3038, 0.2674, 0.2277.



This preview shows how white text looks on a background with the Yxy color 37.3038, 0.2674, 0.2277.

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

37.3038, 0.2674, 0.2277

Protanopia

37.6301, 0.2360, 0.2253

Deuteranopia

37.6833, 0.2447, 0.2386



Tritanopia

37.3283, 0.3034, 0.3107

Trichromacy



Original Color

37.3038, 0.2674, 0.2277

Protanomaly

37.3243, 0.2460, 0.2255

Deuteranomaly

37.5495, 0.2524, 0.2344

Tritanomaly

37.2625, 0.2897, 0.2779

Monochromacy



Original Color

37.3038, 0.2674, 0.2277

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.3044, 0.2956, 0.2886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3038, 0.2674, 0.2277 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(176, 151, 234)` looks like.

```
.text, #text, p{  
    color:rgb(176, 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(176, 151, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 151, 234) }
```

Border

The CSS property to change the border of an element to Yxy 37.3038, 0.2674, 0.2277 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(176, 151, 234) }
```

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

```
.border{ border-color:rgb(176, 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(176, 151, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 151, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 151, 234);  
box-shadow:4px 4px 4px 4px rgb(176, 151,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3038, 0.2674, 0.2277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 151, 234) }
```

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

```
.background{ background-color: rgb(176,  
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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