

Converting Colors

$Yxy(37.9149, 0.2833, 0.2324)$

Have a look what the booklet for
Yxy(37.9149, 0.2833, 0.2324)
contains.

Yxy(37.9133, 0.2833, 0.2324)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.9133, 0.2833, 0.2324)

Conversions

Conversions Part 1

Format	Color
Hex	BF94E5
RGB	191, 148, 229
RGB Percent	75%, 58%, 90%
CMY	0.2510, 0.4196, 0.1020
CMYK	0.17, 0.35, 0.00, 0.10
HSL	272°, 61%, 74%
HSV	272°, 35%, 90%
XYZ	46.2170, 37.9133, 79.0078
YIQ	170.0910, -0.3730, 34.3070

Conversions

Conversions Part 2

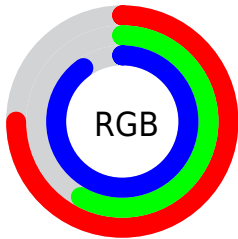
Format	Color
R_{YB}	191, 148, 229
Decimal	12555493
CIE _{Lab}	67.96, 31.30, -34.97
CIE _{LCh}	68, 46.929, 311.829
Y _{xy}	37.9133, 0.2833, 0.2324
Android (android.graphics.Color)	4290745573 (0xFFBF94E5)
YUV	170.0910, 29.0421, 18.3372
Hunter-Lab	61.5738, 26.2273, -32.9757

Details

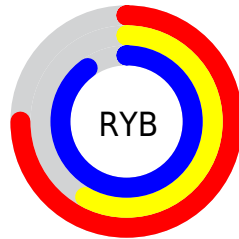
The Yxy color **37.9133, 0.2833, 0.2324** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.6152, 0.3337, 0.4271**, and the grayscale version is **40.0996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8883, 0.3100, 0.2774**, and **16.8008, 0.2733, 0.2090** is the 20% darker color. If you saturate the color by 10%, you get **30.0849, 0.2723, 0.2029**, and if you desaturate by 10%, it is **47.2680, 0.2932, 0.2616**.

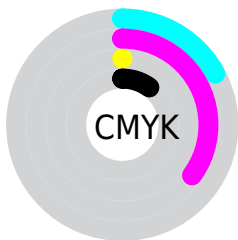
Distribution



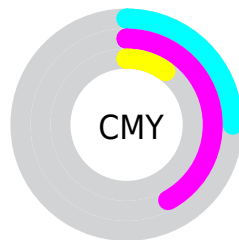
- Red (75%)
- Green (58%)
- Blue (90%)



- Red (75%)
- Yellow (58%)
- Blue (90%)



- Cyan (17%)
- Magenta (35%)
- Yellow (0%)
- Black (10%)





- Cyan (25%)
- Magenta (42%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9133, 0.2833, 0.2324 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 37.9133, 0.2833, 0.2324 by changing the saturation by 10% instead.

 37.9133, 0.2833,
0.2324


 37.9133, 0.2833,
0.2324


337.2479, 0.2993,
0.2785

 25.9154, 0.2790,
0.2217


 71.9752, 0.2893,
0.2486

 16.7604, 0.2734,
0.2083


 94.8081, 0.2915,
0.2549

 10.0638, 0.2657,
0.1914


122.0213, 0.2934,
0.2602

 5.4413, 0.2548,
0.1694

153.9994, 0.2949,
0.2649

 2.5084, 0.2382,
0.1401

191.1267, 0.2963,
0.2689

 0.8809, 0.2112,
0.1004

233.7876, 0.2974,

 0.0000, 0.1639,

0.2725

0.0000

282.3666, 0.2984,
0.2757

0.0000, 0.0000,
0.0000

37.9133, 0.2833,
0.2324

37.9133, 0.2833,
0.2324

30.0849, 0.2723,
0.2029

47.2680, 0.2932,
0.2616

23.6918, 0.2604,
0.1743

58.2237, 0.3018,
0.2896

18.6402, 0.2478,
0.1480

70.8558, 0.3092,
0.3158

14.8226, 0.2353,
0.1255

85.2333, 0.3155,
0.3399

12.1146, 0.2231,
0.1079

96.5389, 0.3214,
0.3547

■ 10.3634, 0.2120,
0.0958

■ 98.4370, 0.3280,
0.3542

■ 9.7619, 0.2071,
0.0915

Harmonies

Analogous

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



37.9133, 0.2276, 0.2214



37.9133, 0.2833, 0.2324



37.9133, 0.3544, 0.2631

Triad

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



37.9133, 0.2833, 0.2324



37.9133, 0.4403, 0.4113



37.9133, 0.2142, 0.3386

Complementary

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



37.9133, 0.2833, 0.2324



68.6152, 0.3337, 0.4271

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.



37.9133, 0.2635, 0.4113



37.9133, 0.2833, 0.2324



37.9133, 0.3943, 0.4498

Square

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



37.9133, 0.2833, 0.2324



37.9133, 0.4513, 0.3600



37.9133, 0.3294, 0.4546



37.9133, 0.1915, 0.2733

Rectangle

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



37.9133, 0.2833, 0.2324



37.9133, 0.4000, 0.2919



37.9133, 0.3294, 0.4546



37.9133, 0.2279, 0.3637

Sweetspot

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



37.9149, 0.2833, 0.2324



80.9796, 0.3051, 0.3011



47.5587, 0.2557, 0.2754



16.8712, 0.3041, 0.2975



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.



37.9149, 0.2833, 0.2324



41.3119, 0.2758, 0.2121



43.4213, 0.3180, 0.2428



14.2618, 0.3063, 0.3053



5.6539, 0.2087, 0.0923



0.4730, 0.2241, 0.1008

Inverse Universe

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



41.3850, 0.3573, 0.2857



46.4927, 0.3698, 0.2772



64.5147, 0.3070, 0.4335



14.4800, 0.3219, 0.3180



10.1605, 0.5084, 0.2574



0.7695, 0.4739, 0.2384

Previews

White Background



This preview shows how the Yxy color 37.9133, 0.2833, 0.2324 looks on a white background.

Color Contrast Check

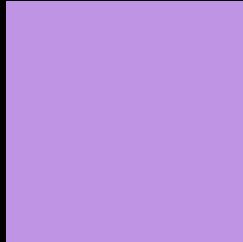
Large Text (above 18pt) WCAG AA × Fail

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 37.9133, 0.2833, 0.2324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

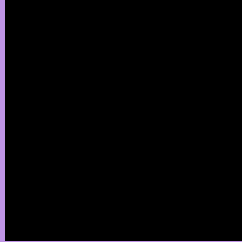
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9133, 0.2833, 0.2324

Background



This preview shows how black text looks on a background with the Yxy color 37.9133, 0.2833, 0.2324.



This preview shows how white text looks on a background with the Yxy color 37.9133, 0.2833, 0.2324.

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

37.9133, 0.2833, 0.2324

Protanopia

38.1207, 0.2391, 0.2291

Deuteranopia

38.3378, 0.2533, 0.2476



Tritanopia

38.0653, 0.3231, 0.3128

Trichromacy



Original Color

37.9133, 0.2833, 0.2324

Protanomaly

37.9391, 0.2534, 0.2299

Deuteranomaly

37.8923, 0.2635, 0.2412

Tritanomaly

37.9415, 0.3075, 0.2809

Monochromacy



Original Color

37.9133, 0.2833, 0.2324

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.0672, 0.3026, 0.2906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9133, 0.2833, 0.2324 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(191, 148, 229)` looks like.

```
.text, #text, p{  
    color:rgb(191, 148, 229)  
}
```

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(191, 148, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 148, 229) }
```

Border

The CSS property to change the border of an element to Yxy 37.9133, 0.2833, 0.2324 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(191, 148, 229) }
```

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

```
.border{ border-color:rgb(191, 148, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 148, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 148, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 148, 229);  
box-shadow:4px 4px 4px 4px rgb(191, 148,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9133, 0.2833, 0.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 148, 229) }
```

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

```
.background{ background-color: rgb(191,  
148, 229) }
```

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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