

Converting Colors

$Y_{xy}(37.0939, 0.2854, 0.2343)$

Have a look what the booklet for
Yxy(37.0939, 0.2854, 0.2343)
contains.

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Color

Yxy(36.9412, 0.2854, 0.2338)

Conversions

Conversions Part 1

Format	Color
Hex	BE92E1
RGB	190, 146, 225
RGB Percent	75%, 57%, 88%
CMY	0.2551, 0.4273, 0.1178
CMYK	0.16, 0.35, 0.00, 0.12
HSL	273°, 57%, 73%
HSV	273°, 35%, 88%
XYZ	45.0942, 36.9412, 75.9680
YIQ	168.1620, 0.8650, 33.8970

Conversions

Conversions Part 2

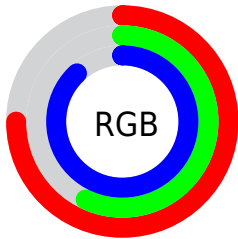
Format	Color
R_{YB}	190, 146, 225
Decimal	12489441
CIE _{Lab}	67.23, 31.21, -33.88
CIE _{LCh}	67, 46.063, 312.647
Yxy	36.9412, 0.2854, 0.2338
Android (android.graphics.Color)	4290679521 (0xFFBE92E1)
YUV	168.1620, 28.0211, 19.1519
Hunter-Lab	60.7793, 26.0714, -31.5611

Details

The Yxy color **36.9412, 0.2854, 0.2338** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.7404, 0.3321, 0.4266**, and the grayscale version is **39.1009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3027, 0.3094, 0.2742**, and **16.1999, 0.2760, 0.2104** is the 20% darker color. If you saturate the color by 10%, you get **29.4336, 0.2751, 0.2047**, and if you desaturate by 10%, it is **45.9045, 0.2946, 0.2627**.

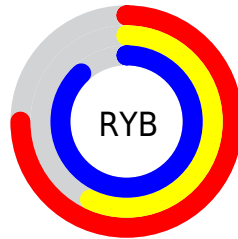
Distribution



Red (75%)

Green (57%)

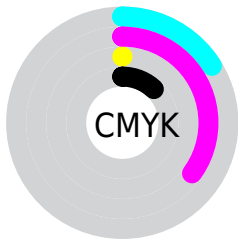
Blue (88%)



Red (75%)

Yellow (57%)

Blue (88%)

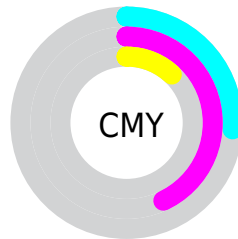


Cyan (16%)

Magenta (35%)

Yellow (0%)

Black (12%)



Cyan (26%)


Magenta (43%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9412, 0.2854, 0.2338 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 36.9412, 0.2854, 0.2338 by changing the saturation by 10% instead.


 36.9412, 0.2854,
0.2338


 36.9412, 0.2854,
0.2338


333.0559, 0.3004,
0.2795

 25.1620, 0.2813,
0.2231


 70.4823, 0.2911,
0.2499

 16.1978, 0.2760,
0.2097


 93.0130, 0.2932,
0.2561

 9.6642, 0.2686,
0.1928


119.8963, 0.2949,
0.2614

 5.1769, 0.2580,
0.1706

151.5167, 0.2963,
0.2660

 2.3514, 0.2417,
0.1408

188.2584, 0.2976,
0.2700

 0.8007, 0.2147,
0.0998

230.5059, 0.2986,

 0.0000, 0.1595,

0.2736

0.0000

278.6436, 0.2996,
0.2767

0.0000, 0.0000,
0.0000

36.9412, 0.2854,
0.2338

36.9412, 0.2854,
0.2338

29.4336, 0.2751,
0.2047

45.9045, 0.2946,
0.2627

23.2951, 0.2638,
0.1765

56.3946, 0.3027,
0.2904

18.4364, 0.2520,
0.1506


68.4831, 0.3096,
0.3165


14.7557, 0.2400,
0.1284


82.2359, 0.3155,
0.3405

12.1347, 0.2284,
0.1110

95.4533, 0.3206,
0.3591

 10.4287, 0.2176,
0.0990

 97.2463, 0.3270,
0.3585

 9.8100, 0.2126,
0.0945

 98.2148, 0.3304,
0.3582

Harmonies

Analogous

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



36.9412, 0.2296, 0.2223



36.9412, 0.2854, 0.2338



36.9412, 0.3560, 0.2648

Triad

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



36.9412, 0.2854, 0.2338



36.9412, 0.4383, 0.4120



36.9412, 0.2141, 0.3366

Complementary

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



36.9412, 0.2854, 0.2338



65.7404, 0.3321, 0.4266

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.



36.9412, 0.2624, 0.4086



36.9412, 0.2854, 0.2338



36.9412, 0.3921, 0.4494

Square

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



36.9412, 0.2854, 0.2338



36.9412, 0.4502, 0.3613



36.9412, 0.3275, 0.4527



36.9412, 0.1923, 0.2724

Rectangle

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



36.9412, 0.2854, 0.2338



36.9412, 0.4008, 0.2936



36.9412, 0.3275, 0.4527



36.9412, 0.2275, 0.3613

Sweetspot

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



36.9427, 0.2854, 0.2338



81.1074, 0.3056, 0.3011



44.8209, 0.2557, 0.2724



16.9016, 0.3046, 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.



36.9427, 0.2854, 0.2338



41.7065, 0.2781, 0.2128



41.7908, 0.3203, 0.2461



13.6175, 0.3067, 0.3054



5.7248, 0.2141, 0.0953



0.4496, 0.2299, 0.1040

Inverse Universe

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



39.9067, 0.3589, 0.2883



46.3666, 0.3726, 0.2799



62.1504, 0.3055, 0.4288



13.8010, 0.3223, 0.3186



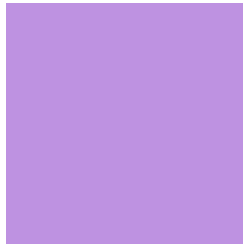
9.7748, 0.5190, 0.2633



0.6953, 0.4808, 0.2423

Previews

White Background



This preview shows how the Yxy color 36.9412, 0.2854, 0.2338 looks on a white background.

Color Contrast Check

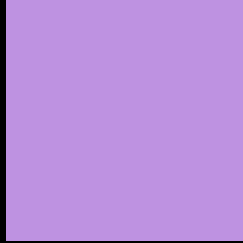
Large Text (above 18pt) WCAG AA × Fail

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 36.9412, 0.2854, 0.2338 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 36.9412, 0.2854, 0.2338

Background



This preview shows how black text looks on a background with the Yxy color 36.9412, 0.2854, 0.2338.



This preview shows how white text looks on a background with the Yxy color 36.9412, 0.2854, 0.2338.

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

36.9412, 0.2854, 0.2338

Protanopia

37.0931, 0.2402, 0.2304

Deuteranopia

37.3176, 0.2547, 0.2492



Tritanopia

36.8400, 0.3243, 0.3113

Trichromacy



Original Color

36.9412, 0.2854, 0.2338

Protanomaly

36.9292, 0.2548, 0.2312

Deuteranomaly

36.8912, 0.2652, 0.2427

Tritanomaly

36.6905, 0.3093, 0.2805

Monochromacy



Original Color

36.9412, 0.2854, 0.2338

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.0458, 0.3025, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9412, 0.2854, 0.2338 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(190, 146, 225)` looks like.

```
.text, #text, p{  
    color:rgb(190, 146, 225)  
}
```

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(190, 146, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 146, 225) }
```

Border

The CSS property to change the border of an element to Yxy 36.9412, 0.2854, 0.2338 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(190, 146, 225) }
```

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

```
.border{ border-color:rgb(190, 146, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 146, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 146, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 146, 225); box-shadow:4px 4px 4px 4px rgb(190, 146, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9412, 0.2854, 0.2338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 146, 225) }
```

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

```
.background{ background-color: rgb(190,  
146, 225) }
```

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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