

Converting Colors

Yxy(37.3647, 0.2814, 0.2252)

Have a look what the booklet for
Yxy(37.3647, 0.2814, 0.2252)
contains.

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Color

Yxy(37.4714, 0.2818, 0.2255)

Conversions

Conversions Part 1

Format	Color
Hex	C191E9
RGB	193, 145, 233
RGB Percent	76%, 57%, 91%
CMY	0.2432, 0.4314, 0.0862
CMYK	0.17, 0.38, 0.00, 0.09
HSL	273°, 67%, 74%
HSV	273°, 38%, 91%
XYZ	46.8268, 37.4714, 81.8721
YIQ	169.3840, 0.3600, 37.5440

Conversions

Conversions Part 2

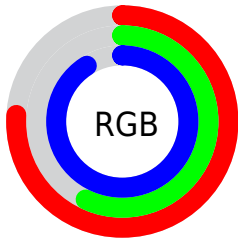
Format	Color
RYB	193, 145, 233
Decimal	12685801
CIELab	67.63, 34.43, -37.68
CIELCh	68, 51.041, 312.421
Yxy	37.4714, 0.2818, 0.2255
Android (android.graphics.Color)	4290875881 (0xFFC191E9)
YUV	169.3840, 31.3627, 20.7112
Hunter-Lab	61.2139, 29.4228, -36.4492

Details

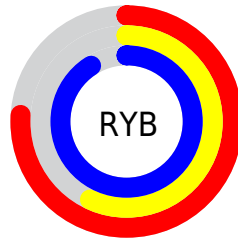
The Yxy color **37.4714, 0.2818, 0.2255** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.6534, 0.3340, 0.4348**, and the grayscale version is **39.7185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5761, 0.3123, 0.2737**, and **16.5830, 0.2714, 0.2007** is the 20% darker color. If you saturate the color by 10%, you get **29.7237, 0.2709, 0.1963**, and if you desaturate by 10%, it is **46.7823, 0.2916, 0.2547**.

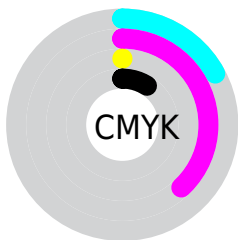
Distribution



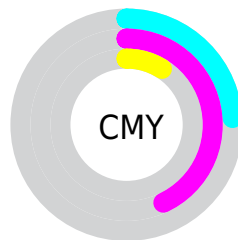
- Red (76%)
- Green (57%)
- Blue (91%)



- Red (76%)
- Yellow (57%)
- Blue (91%)



- Cyan (17%)
- Magenta (38%)
- Yellow (0%)
- Black (9%)





- Cyan (24%)
- Magenta (43%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4714, 0.2818, 0.2255 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 37.4714, 0.2818, 0.2255 by changing the saturation by 10% instead.


 37.4714, 0.2818,
0.2255


 37.4714, 0.2818,
0.2255


335.3469, 0.2987,
0.2746

 25.5727, 0.2773,
0.2142


 71.2972, 0.2882,
0.2427

 16.5042, 0.2713,
0.2002


 93.9931, 0.2905,
0.2493

 9.8817, 0.2632,
0.1826


121.0568, 0.2925,
0.2550

 5.3206, 0.2516,
0.1599

152.8728, 0.2941,
0.2600

 2.4366, 0.2342,
0.1300

189.8254, 0.2955,
0.2643

 0.8446, 0.2062,
0.0905

232.2990, 0.2967,

 0.0000, 0.1594,

0.2681

0.0000

280.6781, 0.2978,
0.2716

0.0000, 0.0000,
0.0000

37.4714, 0.2818,
0.2255

37.4714, 0.2818,
0.2255

29.7237, 0.2709,
0.1963

46.7823, 0.2916,
0.2547

23.4427, 0.2591,
0.1683

57.7362, 0.3003,
0.2830

18.5279, 0.2469,
0.1431

70.4126, 0.3077,
0.3096

14.8639, 0.2347,
0.1219

84.8845, 0.3140,
0.3343

12.3148, 0.2230,
0.1058

96.9937, 0.3198,
0.3506

■ 10.6967, 0.2123,
0.0951

■ 98.6645, 0.3256,
0.3503

■ 10.4006, 0.2100,
0.0931

Harmonies

Analogous

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



37.4714, 0.2216, 0.2131



37.4714, 0.2818, 0.2255



37.4714, 0.3594, 0.2586

Triad

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



37.4714, 0.2818, 0.2255



37.4714, 0.4501, 0.4176



37.4714, 0.2051, 0.3373

Complementary

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



37.4714, 0.2818, 0.2255



70.6534, 0.3340, 0.4348

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.



37.4714, 0.2573, 0.4183



37.4714, 0.2818, 0.2255



37.4714, 0.3990, 0.4606

Square

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



37.4714, 0.2818, 0.2255



37.4714, 0.4639, 0.3622



37.4714, 0.3283, 0.4668



37.4714, 0.1819, 0.2665

Rectangle

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



37.4714, 0.2818, 0.2255



37.4714, 0.4092, 0.2895



37.4714, 0.3283, 0.4668



37.4714, 0.2195, 0.3650

Sweetspot

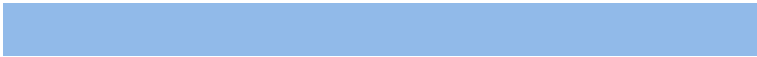
The Sweet Spot groups the original color and five complimentary colors.



37.4729, 0.2818, 0.2255



81.0513, 0.3054, 0.3011



47.0556, 0.2514, 0.2691



16.8883, 0.3044, 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.



37.4729, 0.2818, 0.2255



38.7200, 0.2738, 0.2037



43.2973, 0.3196, 0.2385



14.9536, 0.3065, 0.3053



5.9749, 0.2116, 0.0939



0.5262, 0.2259, 0.1018

Inverse Universe

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



41.0833, 0.3629, 0.2840



43.9144, 0.3774, 0.2752



66.4470, 0.3057, 0.4401



15.1680, 0.3222, 0.3183



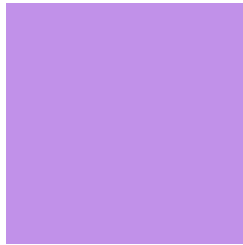
10.4441, 0.5147, 0.2609



0.8393, 0.4811, 0.2424

Previews

White Background



This preview shows how the Yxy color 37.4714, 0.2818, 0.2255 looks on a white background.

Color Contrast Check

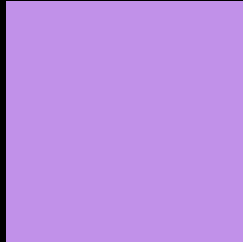
Large Text (above 18pt) WCAG AA × Fail

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 37.4714, 0.2818, 0.2255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

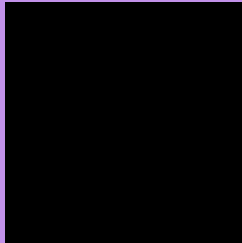
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4714, 0.2818, 0.2255

Background



This preview shows how black text looks on a background with the Yxy color 37.4714, 0.2818, 0.2255.



This preview shows how white text looks on a background with the Yxy color 37.4714, 0.2818, 0.2255.

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

37.4714, 0.2818, 0.2255

Protanopia

37.7903, 0.2333, 0.2212

Deuteranopia

37.6912, 0.2478, 0.2422



Tritanopia

37.4233, 0.3261, 0.3128

Trichromacy



Original Color

37.4714, 0.2818, 0.2255



Protanomaly

37.3558, 0.2487, 0.2221



Deuteranomaly

37.0672, 0.2590, 0.2349



Tritanomaly

37.1975, 0.3094, 0.2773

Monochromacy



Original Color

37.4714, 0.2818, 0.2255



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

38.4124, 0.3018, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4714, 0.2818, 0.2255 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(193, 145, 233)` looks like.

```
.text, #text, p{  
    color:rgb(193, 145, 233)  
}
```

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(193, 145, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 145, 233) }
```

Border

The CSS property to change the border of an element to Yxy 37.4714, 0.2818, 0.2255 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(193, 145, 233) }
```

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

```
.border{ border-color:rgb(193, 145, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 145, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 145, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 145, 233);  
box-shadow:4px 4px 4px 4px rgb(193, 145,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4714, 0.2818, 0.2255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 145, 233) }
```

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

```
.background{ background-color: rgb(193,  
145, 233) }
```

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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