

Converting Colors

$Y_{xy}(37.3639, 0.2806, 0.2253)$

Have a look what the booklet for
Yxy(37.3639, 0.2806, 0.2253)
contains.

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Color

Yxy(37.3405, 0.2810, 0.2253)

Conversions

Conversions Part 1

Format	Color
Hex	C091E9
RGB	192, 145, 233
RGB Percent	75%, 57%, 91%
CMY	0.2470, 0.4314, 0.0864
CMYK	0.18, 0.38, 0.00, 0.09
HSL	272°, 67%, 74%
HSV	272°, 38%, 91%
XYZ	46.5720, 37.3405, 81.8243
YIQ	169.0850, -0.2360, 37.3320

Conversions

Conversions Part 2

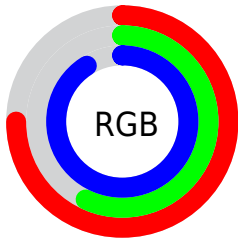
Format	Color
R _Y B	192, 145, 233
Decimal	12620265
CIE Lab	67.53, 34.13, -37.81
CIE LCh	68, 50.940, 312.073
Yxy	37.3405, 0.2810, 0.2253
Android (android.graphics.Color)	4290810345 (0xFFC091E9)
YUV	169.0850, 31.5101, 20.0965
Hunter-Lab	61.1069, 29.1051, -36.6166

Details

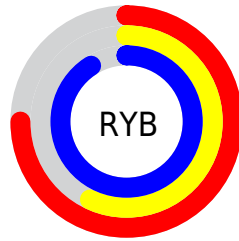
The Yxy color **37.3405, 0.2810, 0.2253** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.7416, 0.3347, 0.4345**, and the grayscale version is **39.5632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3908, 0.3116, 0.2736**, and **16.4981, 0.2702, 0.2003** is the 20% darker color. If you saturate the color by 10%, you get **29.5730, 0.2698, 0.1959**, and if you desaturate by 10%, it is **46.6751, 0.2911, 0.2546**.

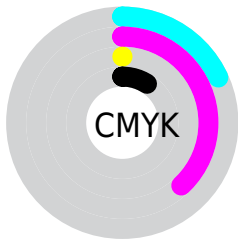
Distribution



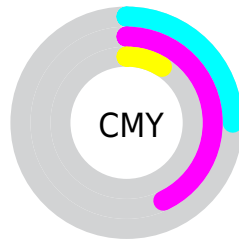
- Red (75%)
- Green (57%)
- Blue (91%)



- Red (75%)
- Yellow (57%)
- Blue (91%)



- Cyan (18%)
- Magenta (38%)
- Yellow (0%)
- Black (9%)




- Cyan (25%)
- Magenta (43%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3405, 0.2810, 0.2253 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 37.3405, 0.2810, 0.2253 by changing the saturation by 10% instead.


 37.3405, 0.2810,
0.2253


 37.3405, 0.2810,
0.2253


334.7824, 0.2983,
0.2745

 25.4712, 0.2764,
0.2139


 71.0962, 0.2876,
0.2425

 16.4285, 0.2703,
0.1999


 93.7514, 0.2899,
0.2492

 9.8279, 0.2620,
0.1822


120.7706, 0.2919,
0.2549

 5.2850, 0.2502,
0.1594

152.5384, 0.2936,
0.2599

 2.4154, 0.2325,
0.1295

189.4391, 0.2950,
0.2642

 0.8338, 0.2041,
0.0898

231.8570, 0.2963,

 0.0000, 0.1557,

0.2681

0.0000

280.1767, 0.2974,
0.2715

0.0000, 0.0000,
0.0000

37.3405, 0.2810,
0.2253

37.3405, 0.2810,
0.2253

29.5730, 0.2698,
0.1959

46.6751, 0.2911,
0.2546

23.2761, 0.2578,
0.1678

57.6567, 0.2999,
0.2830

18.3491, 0.2453,
0.1423

70.3650, 0.3076,
0.3097

14.6764, 0.2328,
0.1209

84.8731, 0.3141,
0.3343

12.1223, 0.2210,
0.1047

97.0397, 0.3200,
0.3507

■ 10.5029, 0.2101,
0.0939

■ 98.6618, 0.3256,
0.3503

■ 10.2055, 0.2078,
0.0918

Harmonies

Analogous

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



37.3405, 0.2211, 0.2131



37.3405, 0.2810, 0.2253



37.3405, 0.3585, 0.2582

Triad

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



37.3405, 0.2810, 0.2253



37.3405, 0.4504, 0.4170



37.3405, 0.2056, 0.3382

Complementary

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



37.3405, 0.2810, 0.2253



70.7416, 0.3347, 0.4345

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.



37.3405, 0.2581, 0.4190



37.3405, 0.2810, 0.2253



37.3405, 0.3996, 0.4601

Square

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



37.3405, 0.2810, 0.2253



37.3405, 0.4636, 0.3615



37.3405, 0.3292, 0.4669



37.3405, 0.1821, 0.2672

Rectangle

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



37.3405, 0.2810, 0.2253



37.3405, 0.4084, 0.2889



37.3405, 0.3292, 0.4669



37.3405, 0.2202, 0.3659

Sweetspot

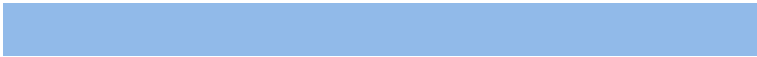
The Sweet Spot groups the original color and five complimentary colors.



37.3420, 0.2810, 0.2253



80.9978, 0.3052, 0.3011



47.0429, 0.2514, 0.2691



16.8755, 0.3042, 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.



37.3420, 0.2810, 0.2253



38.5474, 0.2728, 0.2033



43.2861, 0.3196, 0.2385



14.9453, 0.3064, 0.3052



5.8668, 0.2093, 0.0927



0.5179, 0.2239, 0.1007

Inverse Universe

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



41.1139, 0.3619, 0.2830



43.9695, 0.3761, 0.2740



66.4195, 0.3057, 0.4400



15.1708, 0.3220, 0.3181



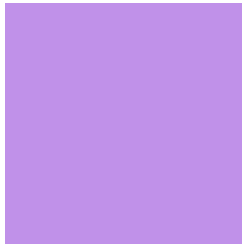
10.4744, 0.5102, 0.2584



0.8418, 0.4772, 0.2402

Previews

White Background



This preview shows how the Yxy color 37.3405, 0.2810, 0.2253 looks on a white background.

Color Contrast Check

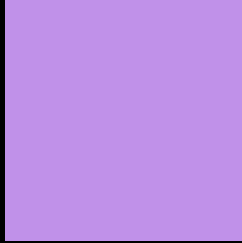
Large Text (above 18pt) WCAG AA × Fail

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 37.3405, 0.2810, 0.2253 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 37.3405, 0.2810, 0.2253

Background



This preview shows how black text looks on a background with the Yxy color 37.3405, 0.2810, 0.2253.

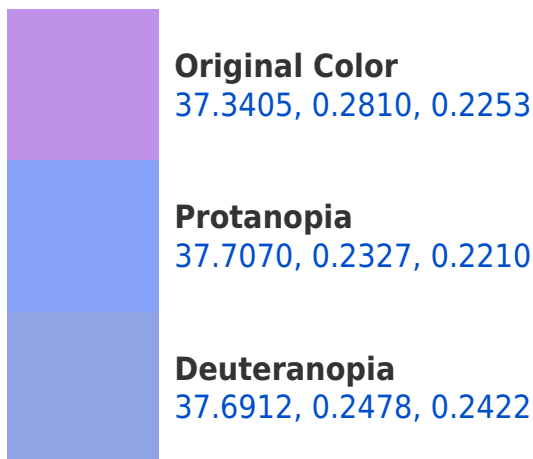


This preview shows how white text looks on a background with the Yxy color 37.3405, 0.2810, 0.2253.

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





Tritanopia

37.3011, 0.3251, 0.3128

Trichromacy



Original Color

37.3405, 0.2810, 0.2253

Protanomaly

37.2557, 0.2479, 0.2219

Deuteranomaly

37.0672, 0.2590, 0.2349

Tritanomaly

37.0718, 0.3085, 0.2771

Monochromacy



Original Color

37.3405, 0.2810, 0.2253

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.2945, 0.3009, 0.2865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3405, 0.2810, 0.2253 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(192, 145, 233)` looks like.

```
.text, #text, p{  
    color:rgb(192, 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(192, 145, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 145, 233) }
```

Border

The CSS property to change the border of an element to Yxy 37.3405, 0.2810, 0.2253 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(192, 145, 233) }
```

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

```
.border{ border-color:rgb(192, 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(192, 145, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 145, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 145, 233);  
box-shadow:4px 4px 4px 4px rgb(192, 145,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3405, 0.2810, 0.2253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 145, 233) }
```

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

```
.background{ background-color: rgb(192,  
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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