

Converting Colors

Yxy(37.5422, 0.3131, 0.2333)

Have a look what the booklet for
Yxy(37.5422, 0.3131, 0.2333)
contains.

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Color

Yxy(37.5805, 0.3134, 0.2333)

Conversions

Conversions Part 1

Format	Color
Hex	D988DD
RGB	217, 136, 221
RGB Percent	85%, 53%, 87%
CMY	0.1488, 0.4668, 0.1332
CMYK	0.02, 0.38, 0.00, 0.13
HSL	297°, 56%, 70%
HSV	297°, 38%, 87%
XYZ	50.4832, 37.5805, 73.0186
YIQ	169.9090, 20.9910, 43.6070

Conversions

Conversions Part 2

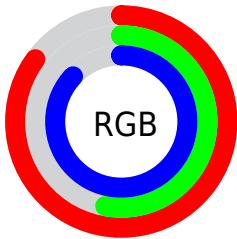
Format	Color
R _Y B	217, 136, 221
Decimal	14256349
CIE Lab	67.71, 44.10, -30.73
CIE LCh	68, 53.755, 325.130
Yxy	37.5805, 0.3134, 0.2333
Android (android.graphics.Color)	4292446429 (0xFFD988DD)
YUV	169.9090, 25.1879, 41.2988
Hunter-Lab	61.3029, 39.7153, -27.7089

Details

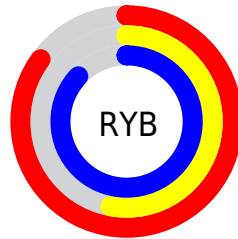
The Yxy color **37.5805, 0.3134, 0.2333** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **59.0764, 0.3098, 0.4452**, and the grayscale version is **40.0158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **16.6709, 0.3117, 0.2099** is the 20% darker color. If you saturate the color by 10%, you get **31.8285, 0.3132, 0.2104**, and if you desaturate by 10%, it is **44.6203, 0.3134, 0.2579**.

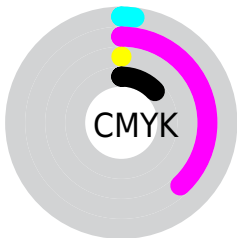
Distribution



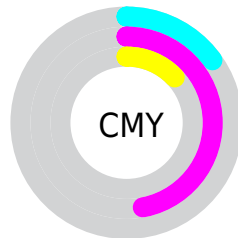
- Red (85%)
- Green (53%)
- Blue (87%)



- Red (85%)
- Yellow (53%)
- Blue (87%)



- Cyan (2%)
- Magenta (38%)
- Yellow (0%)
- Black (13%)





- Cyan (15%)
- Magenta (47%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5805, 0.3134, 0.2333 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 37.5805, 0.3134, 0.2333 by changing the saturation by 10% instead.


 37.5805, 0.3134,
0.2333


 37.5805, 0.3134,
0.2333


335.8170, 0.3145,
0.2787


 25.6573, 0.3127,
0.2228


 71.4647, 0.3141,
0.2492

 16.5674, 0.3116,
0.2097


 94.1945, 0.3143,
0.2554

 9.9266, 0.3098,
0.1932


 121.2952, 0.3144,
0.2606

 5.3503, 0.3067,
0.1717

153.1512, 0.3145,
0.2652

 2.4542, 0.3009,
0.1429

190.1471, 0.3145,
0.2692

 0.8536, 0.2892,
0.1037

232.6670, 0.3145,


 0.0000, 0.2764,


0.2727


0.0000

281.0955, 0.3145,
0.2759

 0.0000, 0.0000,
0.0000


 37.5805, 0.3134,
0.2333


 37.5805, 0.3134,
0.2333

 31.8285, 0.3132,
0.2104


 44.6203, 0.3134,
0.2579


 27.2799, 0.3128,
0.1901


 53.0157, 0.3133,
0.2831


 23.8480, 0.3122,
0.1734


 62.8356, 0.3130,
0.3083

 21.4325, 0.3113,
0.1608


 74.1428, 0.3127,
0.3326

 19.9150, 0.3104,
0.1525


 86.9962, 0.3122,
0.3558


 19.1195, 0.3093,
0.1482

 92.4705, 0.3124,
0.3642

 19.0234, 0.3091,
0.1476

 92.6356, 0.3131,
0.3641

 92.8018, 0.3137,
0.3641

 92.9689, 0.3144,
0.3640

Harmonies

Analogous

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



37.5805, 0.2407, 0.2107



37.5805, 0.3134, 0.2333



37.5805, 0.3960, 0.2751

Triad

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



37.5805, 0.3134, 0.2333



37.5805, 0.4371, 0.4429



37.5805, 0.1861, 0.3024

Complementary

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



37.5805, 0.3134, 0.2333



59.0764, 0.3098, 0.4452

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.



37.5805, 0.2279, 0.3882



37.5805, 0.3134, 0.2333



37.5805, 0.3723, 0.4766

Square

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



37.5805, 0.3134, 0.2333



37.5805, 0.4709, 0.3877



37.5805, 0.2957, 0.4600



37.5805, 0.1753, 0.2409

Rectangle

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



37.5805, 0.3134, 0.2333



37.5805, 0.4412, 0.3102



37.5805, 0.2957, 0.4600



37.5805, 0.1966, 0.3295

Sweetspot

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



37.5822, 0.3134, 0.2333



81.7358, 0.3131, 0.2992



29.2772, 0.2429, 0.2181



17.1081, 0.3132, 0.2959



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.



37.5822, 0.3134, 0.2333



45.5441, 0.3133, 0.2150



36.3867, 0.3552, 0.2741



13.2422, 0.3130, 0.3059



11.0621, 0.3093, 0.1477



0.7264, 0.3113, 0.1489

Inverse Universe

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



34.8703, 0.4035, 0.3245



41.3400, 0.4326, 0.3237



60.0256, 0.2852, 0.3919



13.0613, 0.3284, 0.3279



8.9477, 0.6348, 0.3270



0.5832, 0.6191, 0.3184

Previews

White Background



This preview shows how the Yxy color 37.5805, 0.3134, 0.2333 looks on a white background.

Color Contrast Check

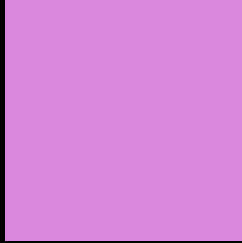
Large Text (above 18pt) WCAG AA × Fail

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 37.5805, 0.3134, 0.2333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

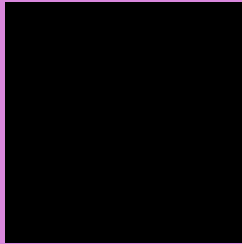
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5805, 0.3134, 0.2333

Background



This preview shows how black text looks on a background with the Yxy color 37.5805, 0.3134, 0.2333.



This preview shows how white text looks on a background with the Yxy color 37.5805, 0.3134, 0.2333.

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

37.5805, 0.3134, 0.2333

Protanopia

38.0942, 0.2380, 0.2279

Deuteranopia

38.0223, 0.2639, 0.2585



Tritanopia

37.5883, 0.3640, 0.3153

Trichromacy



Original Color

37.5805, 0.3134, 0.2333



Protanomaly

36.9385, 0.2606, 0.2282



Deuteranomaly

37.1915, 0.2800, 0.2469



Tritanomaly

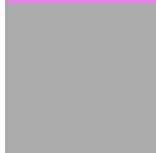
37.3210, 0.3454, 0.2828

Monochromacy



Original Color

37.5805, 0.3134, 0.2333



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.6926, 0.3127, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5805, 0.3134, 0.2333 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(217, 136, 221)` looks like.

```
.text, #text, p{  
    color:rgb(217, 136, 221)  
}
```

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(217, 136, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 136, 221) }
```

Border

The CSS property to change the border of an element to Yxy 37.5805, 0.3134, 0.2333 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(217, 136, 221) }
```

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

```
.border{ border-color:rgb(217, 136, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 136, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 136, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 136, 221);  
box-shadow:4px 4px 4px 4px rgb(217, 136,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5805, 0.3134, 0.2333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 136, 221) }
```

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

```
.background{ background-color: rgb(217,  
136, 221) }
```

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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