

Converting Colors

$Y_{xy}(37.9889, 0.3040, 0.2183)$

Have a look what the booklet for
Yxy(37.9889, 0.3040, 0.2183)
contains.

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Color

Yxy(37.9889, 0.3040, 0.2183)

Conversions

Conversions Part 1

Format	Color
Hex	DC85EB
RGB	220, 133, 235
RGB Percent	86%, 52%, 92%
CMY	0.1371, 0.4785, 0.0785
CMYK	0.06, 0.43, 0.00, 0.08
HSL	291°, 72%, 72%
HSV	291°, 43%, 92%
XYZ	52.9025, 37.9889, 83.1301
YIQ	170.6410, 19.1100, 50.1660

Conversions

Conversions Part 2

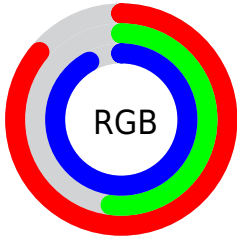
Format	Color
RYB	220, 133, 235
Decimal	14452203
CIELab	68.01, 49.17, -37.95
CIELCh	68, 62.108, 322.341
Yxy	37.9889, 0.3040, 0.2183
Android (android.graphics.Color)	4292642283 (0xFFDC85EB)
YUV	170.6410, 31.7290, 43.2878
Hunter-Lab	61.6351, 45.3483, -36.8225

Details

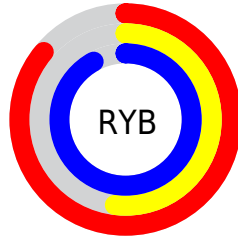
The Yxy color **37.9889, 0.3040, 0.2183** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **67.3928, 0.3154, 0.4607**, and the grayscale version is **40.3672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4464, 0.3158, 0.2634**, and **16.7785, 0.2987, 0.1920** is the 20% darker color. If you saturate the color by 10%, you get **31.7282, 0.3009, 0.1948**, and if you desaturate by 10%, it is **45.7030, 0.3067, 0.2436**.

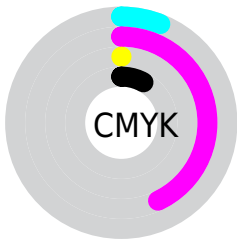
Distribution



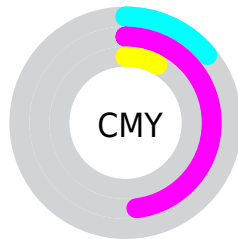
- Red (86%)
- Green (52%)
- Blue (92%)



- Red (86%)
- Yellow (52%)
- Blue (92%)



- Cyan (6%)
- Magenta (43%)
- Yellow (0%)
- Black (8%)




- Cyan (14%)
- Magenta (48%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9889, 0.3040, 0.2183 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 37.9889, 0.3040, 0.2183 by changing the saturation by 10% instead.


 37.9889, 0.3040,
0.2183

 37.9889, 0.3040,
0.2183


337.5724, 0.3103,
0.2698


 25.9741, 0.3020,
0.2067


 72.0911, 0.3066,
0.2361

 16.8042, 0.2991,
0.1924


 94.9473, 0.3075,
0.2431

 10.0950, 0.2950,
0.1747


 122.1861, 0.3082,
0.2491

 5.4620, 0.2887,
0.1521

154.1918, 0.3088,
0.2543

 2.5208, 0.2784,
0.1230

191.3489, 0.3093,
0.2589

 0.8870, 0.2604,
0.0854

234.0418, 0.3097,


 0.0000, 0.2348,

0.2629

0.0000


282.6548, 0.3100,
0.2666


 0.0000, 0.0000,
0.0000


 37.9889, 0.3040,
0.2183


 37.9889, 0.3040,
0.2183

 31.7282, 0.3009,
0.1948


 45.7030, 0.3067,
0.2436


 26.8189, 0.2975,
0.1742


 54.9537, 0.3090,
0.2697


 23.1533, 0.2938,
0.1573

 65.8239, 0.3108,
0.2956


 20.6053, 0.2899,
0.1449

 78.3890, 0.3123,
0.3207

 19.0217, 0.2861,
0.1369

 92.7196, 0.3134,
0.3446

 18.3494, 0.2836,
0.1336

 96.1661, 0.3153,
0.3489

 96.7773, 0.3175,
0.3487

 97.4000, 0.3197,
0.3486

 98.0343, 0.3219,
0.3485

Harmonies

Analogous

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



37.9889, 0.2246, 0.1955



37.9889, 0.3040, 0.2183



37.9889, 0.3997, 0.2626

Triad

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



37.9889, 0.3040, 0.2183



37.9889, 0.4573, 0.4496



37.9889, 0.1727, 0.3050

Complementary

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



37.9889, 0.3040, 0.2183



67.3928, 0.3154, 0.4607

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.



37.9889, 0.2213, 0.4071



37.9889, 0.3040, 0.2183



37.9889, 0.3852, 0.4961

Square

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



37.9889, 0.3040, 0.2183



37.9889, 0.4938, 0.3853



37.9889, 0.2991, 0.4875



37.9889, 0.1586, 0.2326

Rectangle

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



37.9889, 0.3040, 0.2183



37.9889, 0.4544, 0.3004



37.9889, 0.2991, 0.4875



37.9889, 0.1849, 0.3373

Sweetspot

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



37.9905, 0.3040, 0.2183



79.7326, 0.3109, 0.2965



32.2546, 0.2345, 0.2143



16.4047, 0.3105, 0.2908



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.



37.9905, 0.3040, 0.2183



38.9944, 0.3013, 0.1974



38.5696, 0.3523, 0.2564



15.1954, 0.3114, 0.3056



10.2575, 0.2842, 0.1339



0.8360, 0.2896, 0.1369

Inverse Universe

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



36.5692, 0.4098, 0.3123



37.2258, 0.4417, 0.3095



67.2473, 0.2877, 0.4160



15.0900, 0.3270, 0.3256



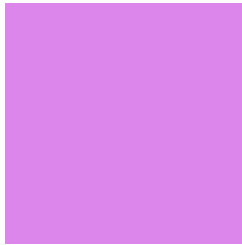
9.9069, 0.6198, 0.3188



0.7891, 0.5866, 0.3005

Previews

White Background



This preview shows how the Yxy color 37.9889, 0.3040, 0.2183 looks on a white background.

Color Contrast Check

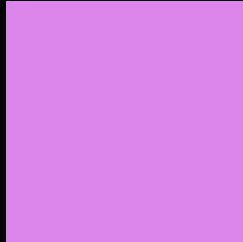
Large Text (above 18pt) WCAG AA × Fail

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 37.9889, 0.3040, 0.2183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

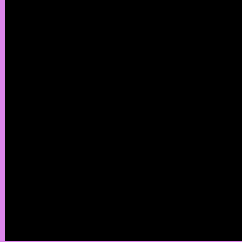
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9889, 0.3040, 0.2183

Background



This preview shows how black text looks on a background with the Yxy color 37.9889, 0.3040, 0.2183.



This preview shows how white text looks on a background with the Yxy color 37.9889, 0.3040, 0.2183.

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

37.9889, 0.3040, 0.2183

Protanopia

38.4009, 0.2279, 0.2144

Deuteranopia

38.3191, 0.2501, 0.2440



Tritanopia

38.0875, 0.3637, 0.3154

Trichromacy



Original Color

37.9889, 0.3040, 0.2183



Protanomaly

37.2331, 0.2502, 0.2132



Deuteranomaly

37.4362, 0.2673, 0.2325



Tritanomaly

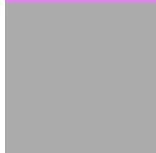
37.8735, 0.3413, 0.2763

Monochromacy



Original Color

37.9889, 0.3040, 0.2183



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.8278, 0.3103, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9889, 0.3040, 0.2183 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(220, 133, 235)` looks like.

```
.text, #text, p{  
    color:rgb(220, 133, 235)  
}
```

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(220, 133, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 133, 235) }
```

Border

The CSS property to change the border of an element to Yxy 37.9889, 0.3040, 0.2183 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(220, 133, 235) }
```

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

```
.border{ border-color:rgb(220, 133, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 133, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 133, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 133, 235);  
box-shadow:4px 4px 4px 4px rgb(220, 133,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9889, 0.3040, 0.2183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 133, 235) }
```

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

```
.background{ background-color: rgb(220,  
133, 235) }
```

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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