

Converting Colors

$Y_{xy}(38.0393, 0.3413, 0.2536)$

Have a look what the booklet for
Yxy(38.0393, 0.3413, 0.2536)
contains.

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Color

Yxy(37.9231, 0.3413, 0.2538)

Conversions

Conversions Part 1

Format	Color
Hex	E387CA
RGB	227, 135, 202
RGB Percent	89%, 53%, 79%
CMY	0.1099, 0.4705, 0.2079
CMYK	0.00, 0.41, 0.11, 0.11
HSL	316°, 62%, 71%
HSV	316°, 41%, 89%
XYZ	50.9975, 37.9231, 60.5006
YIQ	170.1460, 33.3250, 40.3410

Conversions

Conversions Part 2

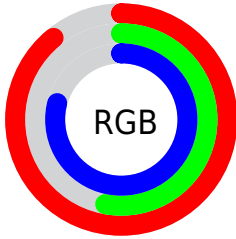
Format	Color
R _Y B	227, 135, 202
Decimal	14911434
CIE Lab	67.96, 44.38, -19.66
CIE LCh	68, 48.539, 336.109
Yxy	37.9231, 0.3413, 0.2538
Android (android.graphics.Color)	4293101514 (0xFFE387CA)
YUV	170.1460, 15.7040, 49.8610
Hunter-Lab	61.5817, 40.0525, -15.1419

Details

The Yxy color **37.9231, 0.3413, 0.2538** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.6193, 0.2931, 0.4190**, and the grayscale version is **40.1843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **16.7188, 0.3484, 0.2335** is the 20% darker color. If you saturate the color by 10%, you get **31.9644, 0.3509, 0.2364**, and if you desaturate by 10%, it is **45.2471, 0.3327, 0.2724**.

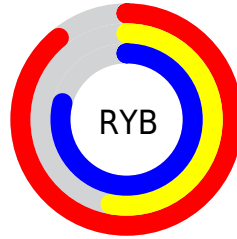
Distribution



Red (89%)

Green (53%)

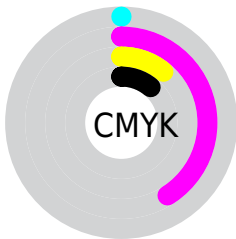
Blue (79%)



Red (89%)

Yellow (53%)

Blue (79%)

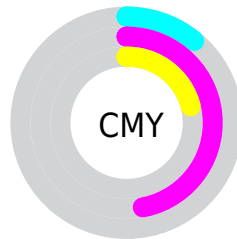


Cyan (0%)

Magenta (41%)

Yellow (11%)

Black (11%)



Cyan (11%)


Magenta (47%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9231, 0.3413, 0.2538 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 37.9231, 0.3413, 0.2538 by changing the saturation by 10% instead.


 37.9231, 0.3413,
0.2538


 37.9231, 0.3413,
0.2538

337.2900, 0.3277,
0.2901

 25.9230, 0.3445,
0.2451


 71.9903, 0.3365,
0.2667

 16.7661, 0.3485,
0.2343


 94.8261, 0.3347,
0.2716

 10.0678, 0.3535,
0.2203


 122.0427, 0.3331,
0.2758

 5.4440, 0.3601,
0.2016

154.0243, 0.3317,
0.2795

 2.5100, 0.3691,
0.1755

191.1555, 0.3305,
0.2827

 0.8817, 0.3817,
0.1374

233.8206, 0.3295,


 0.0000, 0.4330,


0.2854

0.0000

282.4039, 0.3285,
0.2879


 0.0000, 0.0000,
0.0000


 37.9231, 0.3413,
0.2538

 37.9231, 0.3413,
0.2538


 31.9644, 0.3509,
0.2364


 45.2471, 0.3327,
0.2724


 27.2791, 0.3614,
0.2213


 54.0101, 0.3251,
0.2914

 23.7722, 0.3726,
0.2095


 64.2870, 0.3186,
0.3101

 21.3329, 0.3839,
0.2020


 76.1458, 0.3130,
0.3281

 19.8296, 0.3951,
0.1993

 89.6504, 0.3083,
0.3451

 19.0552, 0.4055,
0.2007

 94.0801, 0.3046,
0.3452

 94.4510, 0.3012,
0.3389

 94.8345, 0.2978,
0.3326

 95.0680, 0.2958,
0.3290

Harmonies

Analogous

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



37.9231, 0.2696, 0.2258



37.9231, 0.3413, 0.2538



37.9231, 0.4118, 0.2976

Triad

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



37.9231, 0.3413, 0.2538



37.9231, 0.4077, 0.4479



37.9231, 0.1901, 0.2822

Complementary

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



37.9231, 0.3413, 0.2538



62.6193, 0.2931, 0.4190

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.



37.9231, 0.2187, 0.3536



37.9231, 0.3413, 0.2538



37.9231, 0.3430, 0.4620

Square

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



37.9231, 0.3413, 0.2538



37.9231, 0.4497, 0.4037



37.9231, 0.2738, 0.4265



37.9231, 0.1899, 0.2363

Rectangle

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



37.9231, 0.3413, 0.2538



37.9231, 0.4440, 0.3321



37.9231, 0.2738, 0.4265



37.9231, 0.1965, 0.3037

Sweetspot

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



37.9248, 0.3413, 0.2538



81.4824, 0.3195, 0.3072



30.3048, 0.2568, 0.2107



17.0483, 0.3203, 0.3048



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.



37.9248, 0.3413, 0.2538



42.4611, 0.3497, 0.2384



36.0777, 0.3909, 0.3041



14.5449, 0.3179, 0.3120



11.1355, 0.4039, 0.1999



0.8383, 0.3890, 0.1917

Inverse Universe

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



37.9248, 0.3413, 0.2538



42.4611, 0.3497, 0.2384



64.5139, 0.2681, 0.3564



14.5449, 0.3179, 0.3120



11.1355, 0.4039, 0.1999



0.8383, 0.3890, 0.1917

Previews

White Background



This preview shows how the Yxy color 37.9231, 0.3413, 0.2538 looks on a white background.

Color Contrast Check

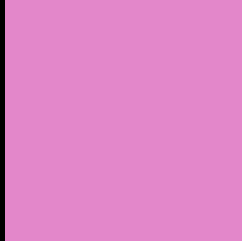
Large Text (above 18pt) WCAG AA × Fail

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 37.9231, 0.3413, 0.2538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

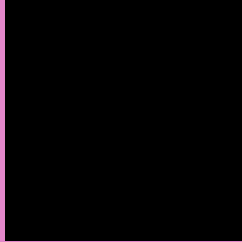
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9231, 0.3413, 0.2538

Background



This preview shows how black text looks on a background with the Yxy color 37.9231, 0.3413, 0.2538.



This preview shows how white text looks on a background with the Yxy color 37.9231, 0.3413, 0.2538.

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

37.9231, 0.3413, 0.2538

Protanopia

38.2682, 0.2558, 0.2511

Deuteranopia

38.0874, 0.2881, 0.2818



Tritanopia

37.8427, 0.3843, 0.3160

Trichromacy



Original Color

37.9231, 0.3413, 0.2538



Protanomaly

37.0359, 0.2822, 0.2501



Deuteranomaly

37.3988, 0.3061, 0.2692



Tritanomaly

37.8756, 0.3687, 0.2927

Monochromacy



Original Color

37.9231, 0.3413, 0.2538



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.5677, 0.3229, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9231, 0.3413, 0.2538 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(227, 135, 202)` looks like.

```
.text, #text, p{  
    color:rgb(227, 135, 202)  
}
```

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(227, 135, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 135, 202) }
```

Border

The CSS property to change the border of an element to Yxy 37.9231, 0.3413, 0.2538 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(227, 135, 202) }
```

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

```
.border{ border-color:rgb(227, 135, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 135, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 135, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 135, 202);  
box-shadow:4px 4px 4px 4px rgb(227, 135,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9231, 0.3413, 0.2538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 135, 202) }
```

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

```
.background{ background-color: rgb(227,  
135, 202) }
```

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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