

Converting Colors

$Y_{xy}(37.3965, 0.3311, 0.2313)$

Have a look what the booklet for
Yxy(37.3965, 0.3311, 0.2313)
contains.

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Color

Yxy(37.3965, 0.3311, 0.2313)

Conversions

Conversions Part 1

Format	Color
Hex	E87FDA
RGB	232, 127, 218
RGB Percent	91%, 50%, 85%
CMY	0.0901, 0.5020, 0.1450
CMYK	0.00, 0.45, 0.06, 0.09
HSL	308°, 70%, 70%
HSV	308°, 45%, 91%
XYZ	53.5321, 37.3965, 70.7510
YIQ	168.7690, 33.3690, 50.5610

Conversions

Conversions Part 2

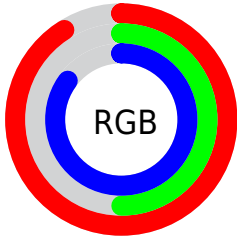
Format	Color
R _Y B	232, 127, 218
Decimal	15237082
CIE Lab	67.57, 52.69, -29.14
CIE LCh	68, 60.206, 331.056
Yxy	37.3965, 0.3311, 0.2313
Android (android.graphics.Color)	4293427162 (0xFFE87FDA)
YUV	168.7690, 24.2709, 55.4536
Hunter-Lab	61.1527, 49.2390, -25.7891

Details

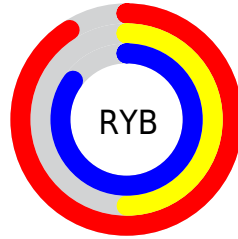
The Yxy color **37.3965, 0.3311, 0.2313** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **64.1596, 0.2989, 0.4521**, and the grayscale version is **39.4219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9359, 0.3161, 0.2575**, and **16.4081, 0.3336, 0.2070** is the 20% darker color. If you saturate the color by 10%, you get **31.9200, 0.3362, 0.2126**, and if you desaturate by 10%, it is **44.2591, 0.3263, 0.2521**.

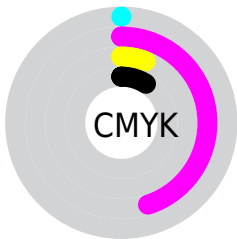
Distribution



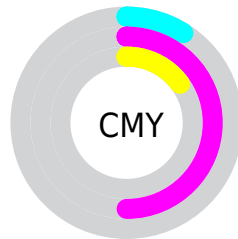
- Red (91%)
- Green (50%)
- Blue (85%)



- Red (91%)
- Yellow (50%)
- Blue (85%)



- Cyan (0%)
- Magenta (45%)
- Yellow (6%)
- Black (9%)




- Cyan (9%)
- Magenta (50%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3965, 0.3311, 0.2313 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 37.3965, 0.3311, 0.2313 by changing the saturation by 10% instead.


 37.3965, 0.3311,
0.2313


 37.3965, 0.3311,
0.2313


335.0240, 0.3234,
0.2774


 25.5146, 0.3326,
0.2207


 71.1822, 0.3286,
0.2474

 16.4609, 0.3343,
0.2075


 93.8548, 0.3276,
0.2537

 9.8509, 0.3361,
0.1909


 120.8931, 0.3267,
0.2590

 5.3002, 0.3379,
0.1693

152.6815, 0.3259,
0.2637

 2.4245, 0.3392,
0.1406

189.6044, 0.3252,
0.2678

 0.8384, 0.3383,
0.1016

232.0462, 0.3245,


 0.0000, 0.3462,


0.2714


0.0000


280.3912, 0.3239,
0.2746


 0.0000, 0.0000,
0.0000

 37.3965, 0.3311,
0.2313


 37.3965, 0.3311,
0.2313


 31.9200, 0.3362,
0.2126

 44.2591, 0.3263,
0.2521


 27.7285, 0.3413,
0.1969

 52.5897, 0.3219,
0.2740


 24.7154, 0.3465,
0.1852

 62.4697, 0.3179,
0.2961

 22.7544, 0.3515,
0.1779

 73.9731, 0.3144,
0.3179

 21.6907, 0.3561,
0.1750

 87.1693, 0.3113,
0.3387

■ 21.3828, 0.3583,
0.1747

■ 94.7693, 0.3090,
0.3475

■ 94.9511, 0.3073,
0.3444

■ 95.1360, 0.3056,
0.3412

■ 95.3240, 0.3038,
0.3381

Harmonies

Analogous

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



37.3965, 0.2464, 0.2022



37.3965, 0.3311, 0.2313



37.3965, 0.4227, 0.2797

Triad

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



37.3965, 0.3311, 0.2313



37.3965, 0.4367, 0.4637



37.3965, 0.1683, 0.2814

Complementary

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



37.3965, 0.3311, 0.2313



64.1596, 0.2989, 0.4521

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.



37.3965, 0.2062, 0.3755



37.3965, 0.3311, 0.2313



37.3965, 0.3602, 0.4967

Square

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



37.3965, 0.3311, 0.2313



37.3965, 0.4843, 0.4035



37.3965, 0.2758, 0.4663



37.3965, 0.1636, 0.2217

Rectangle

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



37.3965, 0.3311, 0.2313



37.3965, 0.4681, 0.3188



37.3965, 0.2758, 0.4663



37.3965, 0.1770, 0.3098

Sweetspot

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



37.3982, 0.3311, 0.2313



78.9973, 0.3175, 0.2988



26.5116, 0.2361, 0.1906



16.2934, 0.3183, 0.2940



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.



37.3982, 0.3311, 0.2313



40.1474, 0.3356, 0.2143



35.1336, 0.3862, 0.2835



14.5805, 0.3158, 0.3089



11.8818, 0.3576, 0.1743



0.8872, 0.3514, 0.1710

Inverse Universe

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



37.3982, 0.3311, 0.2313



40.1474, 0.3356, 0.2143



66.0324, 0.2721, 0.3814



14.5805, 0.3158, 0.3089



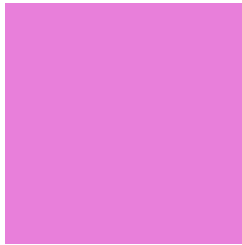
11.8818, 0.3576, 0.1743



0.8872, 0.3514, 0.1710

Previews

White Background



This preview shows how the Yxy color 37.3965, 0.3311, 0.2313 looks on a white background.

Color Contrast Check

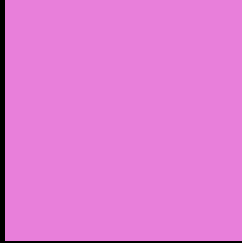
Large Text (above 18pt) WCAG AA × Fail

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 37.3965, 0.3311, 0.2313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

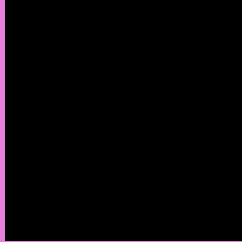
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3965, 0.3311, 0.2313

Background



This preview shows how black text looks on a background with the Yxy color 37.3965, 0.3311, 0.2313.



This preview shows how white text looks on a background with the Yxy color 37.3965, 0.3311, 0.2313.

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

37.3965, 0.3311, 0.2313

Protanopia

37.8128, 0.2344, 0.2223

Deuteranopia

37.6620, 0.2680, 0.2621



Tritanopia

37.1640, 0.3907, 0.3161

Trichromacy



Original Color

37.3965, 0.3311, 0.2313



Protanomaly

36.3217, 0.2627, 0.2224



Deuteranomaly

36.5403, 0.2889, 0.2475



Tritanomaly

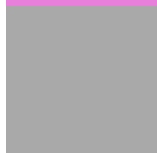
37.0738, 0.3686, 0.2828

Monochromacy



Original Color

37.3965, 0.3311, 0.2313



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.9055, 0.3195, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3965, 0.3311, 0.2313 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(232, 127, 218)` looks like.

```
.text, #text, p{  
    color:rgb(232, 127, 218)  
}
```

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(232, 127, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 127, 218) }
```

Border

The CSS property to change the border of an element to Yxy 37.3965, 0.3311, 0.2313 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(232, 127, 218) }
```

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

```
.border{ border-color:rgb(232, 127, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 127, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 127, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 127, 218);  
box-shadow:4px 4px 4px 4px rgb(232, 127,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3965, 0.3311, 0.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 127, 218) }
```

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

```
.background{ background-color: rgb(232,  
127, 218) }
```

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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