

Converting Colors

$Y_{xy}(38.0837, 0.3116, 0.2125)$

Have a look what the booklet for
Yxy(38.0837, 0.3116, 0.2125)
contains.

Yxy(38.0837, 0.3116, 0.2125)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.0837, 0.3116, 0.2125)

Conversions

Conversions Part 1

Format	Color
Hex	E77EEE
RGB	231, 126, 238
RGB Percent	91%, 49%, 93%
CMY	0.0942, 0.5058, 0.0667
CMYK	0.03, 0.47, 0.00, 0.07
HSL	296°, 77%, 71%
HSV	296°, 47%, 93%
XYZ	55.8441, 38.0837, 85.2896
YIQ	170.1630, 26.6280, 57.0920

Conversions

Conversions Part 2

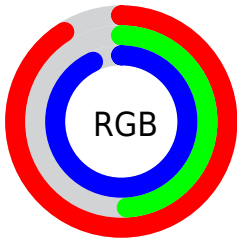
Format	Color
RYB	231, 126, 238
Decimal	15171310
CIELab	68.08, 56.35, -39.39
CIElCh	68, 68.758, 325.044
Yxy	38.0837, 0.3116, 0.2125
Android (android.graphics.Color)	4293361390 (0xFFE77EEE)
YUV	170.1630, 33.4436, 53.3540
Hunter-Lab	61.7120, 53.5315, -38.7438

Details

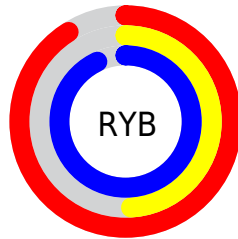
The Yxy color **38.0837, 0.3116, 0.2125** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **67.6392, 0.3097, 0.4759**, and the grayscale version is **40.1062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9359, 0.3161, 0.2575**, and **16.8964, 0.3079, 0.1858** is the 20% darker color. If you saturate the color by 10%, you get **32.4583, 0.3108, 0.1915**, and if you desaturate by 10%, it is **45.1621, 0.3122, 0.2360**.

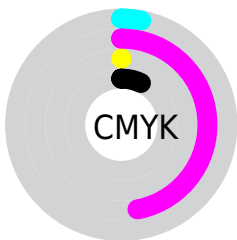
Distribution



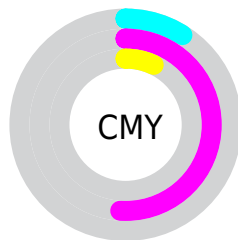
- Red (91%)
- Green (49%)
- Blue (93%)



- Red (91%)
- Yellow (49%)
- Blue (93%)



- Cyan (3%)
- Magenta (47%)
- Yellow (0%)
- Black (7%)




- Cyan (9%)
- Magenta (51%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0837, 0.3116, 0.2125 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 38.0837, 0.3116, 0.2125 by changing the saturation by 10% instead.


 38.0837, 0.3116,
0.2125


 38.0837, 0.3116,
0.2125


337.9789, 0.3143,
0.2661

 26.0477, 0.3104,
0.2005


 72.2364, 0.3130,
0.2309

 16.8593, 0.3085,
0.1860


 95.1219, 0.3134,
0.2382

 10.1342, 0.3057,
0.1680


 122.3926, 0.3137,
0.2444

 5.4880, 0.3010,
0.1453

154.4330, 0.3140,
0.2499

 2.5364, 0.2930,
0.1164

191.6274, 0.3141,
0.2547

 0.8948, 0.2782,
0.0797

234.3602, 0.3142,

 0.0000, 0.2576,

0.2589

0.0000

283.0159, 0.3143,
0.2627

■ 0.0000, 0.0820,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.0837, 0.3116,
0.2125

■ 38.0837, 0.3116,
0.2125

■ 32.4583, 0.3108,
0.1915

■ 45.1621, 0.3122,
0.2360

■ 28.1767, 0.3097,
0.1739

■ 53.7825, 0.3126,
0.2610

■ 25.1222, 0.3084,
0.1604

■ 64.0328, 0.3128,
0.2865


■ 23.1561, 0.3070,
0.1513


■ 75.9926, 0.3128,
0.3117


 22.0997, 0.3055,
0.1464

 89.7366, 0.3127,
0.3361

 21.8774, 0.3050,
0.1454

 96.2037, 0.3131,
0.3459

 96.4652, 0.3141,
0.3458

 96.7288, 0.3150,
0.3458

 96.9946, 0.3159,
0.3457

Harmonies

Analogous

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



38.0837, 0.2227, 0.1859



38.0837, 0.3116, 0.2125



38.0837, 0.4176, 0.2614

Triad

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



38.0837, 0.3116, 0.2125



38.0837, 0.4625, 0.4634



38.0837, 0.1576, 0.2920

Complementary

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



38.0837, 0.3116, 0.2125



67.6392, 0.3097, 0.4759

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.



38.0837, 0.2055, 0.4053



38.0837, 0.3116, 0.2125



38.0837, 0.3809, 0.5151

Square

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



38.0837, 0.3116, 0.2125



38.0837, 0.5092, 0.3931



38.0837, 0.2872, 0.5018



38.0837, 0.1466, 0.2179

Rectangle

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



38.0837, 0.3116, 0.2125



38.0837, 0.4759, 0.3022



38.0837, 0.2872, 0.5018



38.0837, 0.1692, 0.3268

Sweetspot

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



38.0854, 0.3116, 0.2125



78.8787, 0.3128, 0.2941



27.5166, 0.2249, 0.1904



16.2640, 0.3128, 0.2886



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.



38.0854, 0.3116, 0.2125



38.4577, 0.3108, 0.1931



36.7961, 0.3671, 0.2600



15.9781, 0.3128, 0.3057



12.2278, 0.3053, 0.1455



1.0324, 0.3075, 0.1467

Inverse Universe

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



34.7956, 0.4340, 0.3216



34.2762, 0.4727, 0.3207



68.6582, 0.2813, 0.4120



15.7749, 0.3283, 0.3276



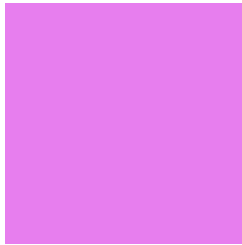
10.1663, 0.6334, 0.3263



0.8513, 0.6167, 0.3171

Previews

White Background



This preview shows how the Yxy color 38.0837, 0.3116, 0.2125 looks on a white background.

Color Contrast Check

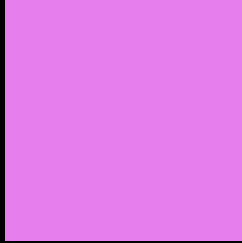
Large Text (above 18pt) WCAG AA × Fail

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 38.0837, 0.3116, 0.2125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

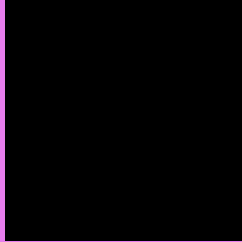
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0837, 0.3116, 0.2125

Background



This preview shows how black text looks on a background with the Yxy color 38.0837, 0.3116, 0.2125.

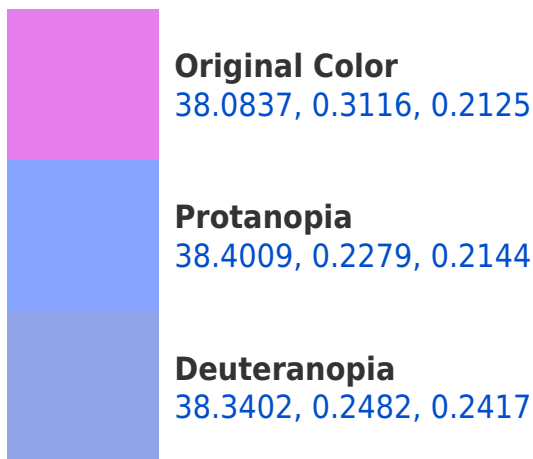


This preview shows how white text looks on a background with the Yxy color 38.0837, 0.3116, 0.2125.

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

37.8667, 0.3808, 0.3159

Trichromacy



Original Color

38.0837, 0.3116, 0.2125



Protanomaly

37.0873, 0.2522, 0.2108



Deuteranomaly

36.9833, 0.2673, 0.2264



Tritanomaly

37.5694, 0.3544, 0.2734

Monochromacy



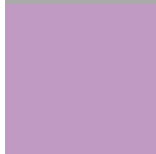
Original Color

38.0837, 0.3116, 0.2125



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.2578, 0.3123, 0.2769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0837, 0.3116, 0.2125 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(231, 126, 238)` looks like.

```
.text, #text, p{  
    color:rgb(231, 126, 238)  
}
```

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(231, 126, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 126, 238) }
```

Border

The CSS property to change the border of an element to Yxy 38.0837, 0.3116, 0.2125 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(231, 126, 238) }
```

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

```
.border{ border-color:rgb(231, 126, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 126, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 126, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 126, 238);  
box-shadow:4px 4px 4px 4px rgb(231, 126,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0837, 0.3116, 0.2125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 126, 238) }
```

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

```
.background{ background-color: rgb(231,  
126, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor