

Converting Colors

$Y_{xy}(38.2909, 0.3208, 0.2317)$

Have a look what the booklet for
Yxy(38.2909, 0.3208, 0.2317)
contains.

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Color

Yxy(38.2177, 0.3211, 0.2318)

Conversions

Conversions Part 1

Format	Color
Hex	E285DE
RGB	226, 133, 222
RGB Percent	89%, 52%, 87%
CMY	0.1137, 0.4784, 0.1293
CMYK	0.00, 0.41, 0.02, 0.11
HSL	303°, 62%, 70%
HSV	303°, 41%, 89%
XYZ	52.9409, 38.2177, 73.7150
YIQ	170.9530, 26.8590, 47.3950

Conversions

Conversions Part 2

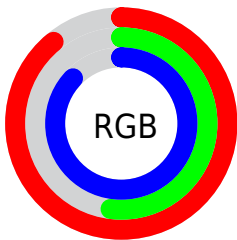
Format	Color
R _Y B	226, 133, 222
Decimal	14845406
CIE _{Lab}	68.18, 48.54, -30.48
CIE _{LCh}	68, 57.316, 327.879
Yxy	38.2177, 0.3211, 0.2318
Android (android.graphics.Color)	4293035486 (0xFFE285DE)
YUV	170.9530, 25.1662, 48.2762
Hunter-Lab	61.8205, 44.6754, -27.4233

Details

The Yxy color **38.2177, 0.3211, 0.2318** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **61.1881, 0.3046, 0.4504**, and the grayscale version is **40.5621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4464, 0.3158, 0.2634**, and **16.9624, 0.3211, 0.2078** is the 20% darker color. If you saturate the color by 10%, you get **32.6311, 0.3233, 0.2108**, and if you desaturate by 10%, it is **45.1392, 0.3189, 0.2548**.

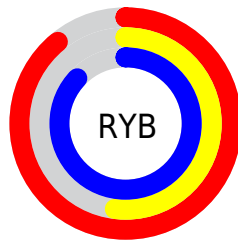
Distribution



Red (89%)

Green (52%)

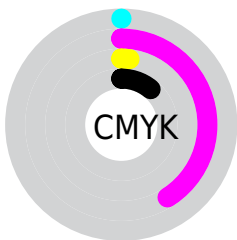
Blue (87%)



Red (89%)

Yellow (52%)

Blue (87%)

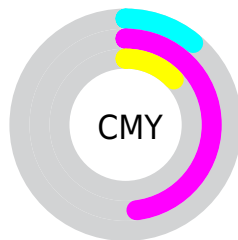


Cyan (0%)

Magenta (41%)

Yellow (2%)

Black (11%)



Cyan (11%)


Magenta (48%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2177, 0.3211, 0.2318 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 38.2177, 0.3211, 0.2318 by changing the saturation by 10% instead.

 38.2177, 0.3211,
0.2318


 38.2177, 0.3211,
0.2318


338.5529, 0.3184,
0.2776

 26.1517, 0.3213,
0.2212


 72.4417, 0.3205,
0.2478

 16.9372, 0.3214,
0.2082


 95.3685, 0.3201,
0.2540

 10.1897, 0.3212,
0.1918


 122.6843, 0.3198,
0.2593

 5.5249, 0.3202,
0.1705

154.7736, 0.3195,
0.2639

 2.5584, 0.3175,
0.1421

192.0207, 0.3192,
0.2680

 0.9058, 0.3105,
0.1037


234.8100, 0.3189,


 0.0000, 0.3078,


0.2716


0.0000


283.5259, 0.3187,
0.2748

 0.0000, 0.0000,
0.0000


 38.2177, 0.3211,
0.2318

 38.2177, 0.3211,
0.2318


 32.6311, 0.3233,
0.2108


 45.1392, 0.3189,
0.2548


 28.2882, 0.3255,
0.1927


 53.4691, 0.3168,
0.2787


 25.0942, 0.3275,
0.1784

 63.2814, 0.3148,
0.3028


 22.9389, 0.3293,
0.1683


 74.6438, 0.3129,
0.3263

 21.6901, 0.3308,
0.1625


 87.6195, 0.3112,
0.3489

 21.1457, 0.3321,
0.1603

 93.2818, 0.3103,
0.3569

 93.3355, 0.3097,
0.3559

 93.3896, 0.3092,
0.3548

 93.4439, 0.3086,
0.3538

Harmonies

Analogous

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



38.2177, 0.2427, 0.2062



38.2177, 0.3211, 0.2318



38.2177, 0.4084, 0.2768

Triad

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



38.2177, 0.3211, 0.2318



38.2177, 0.4379, 0.4527



38.2177, 0.1772, 0.2928

Complementary

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



38.2177, 0.3211, 0.2318



61.1881, 0.3046, 0.4504

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.



38.2177, 0.2175, 0.3832



38.2177, 0.3211, 0.2318



38.2177, 0.3674, 0.4865

Square

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



38.2177, 0.3211, 0.2318



38.2177, 0.4782, 0.3950



38.2177, 0.2867, 0.4641



38.2177, 0.1692, 0.2316

Rectangle

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



38.2177, 0.3211, 0.2318



38.2177, 0.4542, 0.3139



38.2177, 0.2867, 0.4641



38.2177, 0.1870, 0.3207

Sweetspot

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



38.2194, 0.3211, 0.2318



81.9226, 0.3150, 0.3006



27.5076, 0.2385, 0.2032



17.1525, 0.3152, 0.2974



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.



38.2194, 0.3211, 0.2318



44.1193, 0.3229, 0.2145



36.0943, 0.3679, 0.2788



13.9250, 0.3144, 0.3069



12.0674, 0.3319, 0.1602



0.8396, 0.3300, 0.1592

Inverse Universe

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



38.2194, 0.3211, 0.2318



44.1193, 0.3229, 0.2145



62.7851, 0.2793, 0.3864



13.9250, 0.3144, 0.3069



12.0674, 0.3319, 0.1602



0.8396, 0.3300, 0.1592

Previews

White Background



This preview shows how the Yxy color 38.2177, 0.3211, 0.2318 looks on a white background.

Color Contrast Check

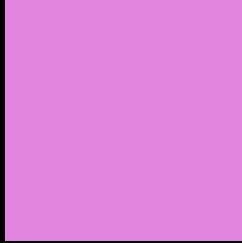
Large Text (above 18pt) WCAG AA × Fail

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 38.2177, 0.3211, 0.2318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

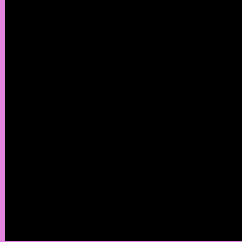
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2177, 0.3211, 0.2318

Background



This preview shows how black text looks on a background with the Yxy color 38.2177, 0.3211, 0.2318.

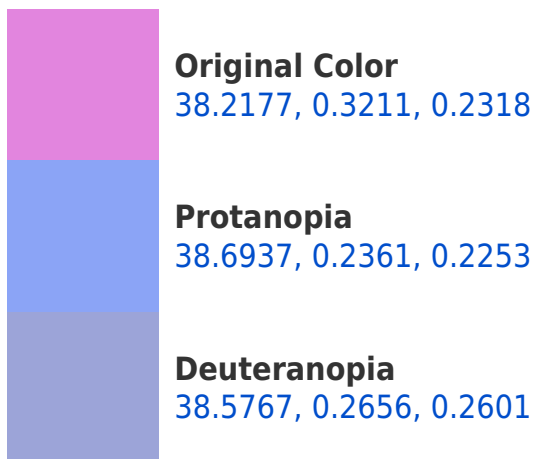


This preview shows how white text looks on a background with the Yxy color 38.2177, 0.3211, 0.2318.

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

38.2415, 0.3759, 0.3158

Trichromacy



Original Color

38.2177, 0.3211, 0.2318



Protanomaly

37.5548, 0.2617, 0.2261



Deuteranomaly

37.6682, 0.2834, 0.2477



Tritanomaly

38.0543, 0.3558, 0.2831

Monochromacy



Original Color

38.2177, 0.3211, 0.2318



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.9080, 0.3156, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2177, 0.3211, 0.2318 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(226, 133, 222)` looks like.

```
.text, #text, p{  
    color:rgb(226, 133, 222)  
}
```

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(226, 133, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 133, 222) }
```

Border

The CSS property to change the border of an element to Yxy 38.2177, 0.3211, 0.2318 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(226, 133, 222) }
```

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

```
.border{ border-color:rgb(226, 133, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 133, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 133, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 133, 222);  
box-shadow:4px 4px 4px 4px rgb(226, 133,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2177, 0.3211, 0.2318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 133, 222) }
```

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

```
.background{ background-color: rgb(226,  
133, 222) }
```

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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