

Converting Colors

$Y_{xy}(38.1355, 0.3092, 0.2240)$

Have a look what the booklet for
Yxy(38.1355, 0.3092, 0.2240)
contains.

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Color

Yxy(38.1355, 0.3092, 0.2240)

Conversions

Conversions Part 1

Format	Color
Hex	DD86E6
RGB	221, 134, 230
RGB Percent	87%, 53%, 90%
CMY	0.1331, 0.4746, 0.0979
CMYK	0.04, 0.42, 0.00, 0.10
HSL	294°, 66%, 71%
HSV	294°, 42%, 90%
XYZ	52.6406, 38.1355, 79.4717
YIQ	170.9570, 21.0360, 48.3000

Conversions

Conversions Part 2

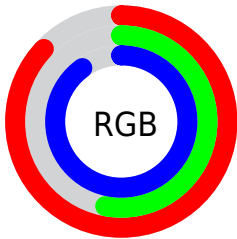
Format	Color
R _Y B	221, 134, 230
Decimal	14517990
CIE Lab	68.12, 48.02, -35.04
CIE LCh	68, 59.446, 323.886
Yxy	38.1355, 0.3092, 0.2240
Android (android.graphics.Color)	4292708070 (0xFFDD86E6)
YUV	170.9570, 29.1082, 43.8877
Hunter-Lab	61.7539, 44.0885, -33.0730

Details

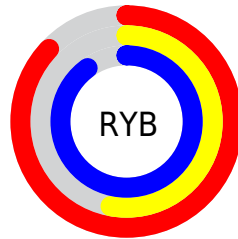
The Yxy color **38.1355, 0.3092, 0.2240** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **64.1671, 0.3122, 0.4560**, and the grayscale version is **40.5455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8752, 0.3157, 0.2644**, and **16.8334, 0.3059, 0.1988** is the 20% darker color. If you saturate the color by 10%, you get **32.1211, 0.3076, 0.2010**, and if you desaturate by 10%, it is **45.5402, 0.3105, 0.2488**.

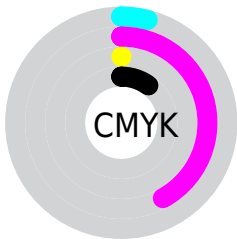
Distribution



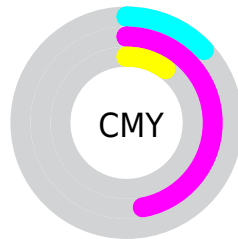
- Red (87%)
- Green (53%)
- Blue (90%)



- Red (87%)
- Yellow (53%)
- Blue (90%)



- Cyan (4%)
- Magenta (42%)
- Yellow (0%)
- Black (10%)





- Cyan (13%)
- Magenta (47%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1355, 0.3092, 0.2240 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 38.1355, 0.3092, 0.2240 by changing the saturation by 10% instead.


 38.1355, 0.3092,
0.2240


 38.1355, 0.3092,
0.2240


338.2009, 0.3127,
0.2731

 26.0879, 0.3079,
0.2128


 72.3158, 0.3108,
0.2411

 16.8894, 0.3059,
0.1991


 95.2172, 0.3113,
0.2477

 10.1557, 0.3030,
0.1818


 122.5054, 0.3117,
0.2534

 5.5023, 0.2983,
0.1597

154.5647, 0.3120,
0.2584

 2.5449, 0.2903,
0.1309

191.7795, 0.3123,
0.2628

 0.8990, 0.2755,
0.0928

234.5342, 0.3124,


 0.0000, 0.2562,


0.2666


0.0000

283.2132, 0.3126,
0.2701


 0.0000, 0.0000,
0.0000

 38.1355, 0.3092,
0.2240

 38.1355, 0.3092,
0.2240

 32.1211, 0.3076,
0.2010

 45.5402, 0.3105,
0.2488


 27.4015, 0.3058,
0.1809


 54.4128, 0.3115,
0.2744


 23.8770, 0.3037,
0.1645


 64.8308, 0.3122,
0.2999


 21.4309, 0.3015,
0.1524

 76.8651, 0.3127,
0.3248


 19.9237, 0.2991,
0.1447


 90.5819, 0.3129,
0.3483

 19.2001, 0.2972,
0.1411

 94.7198, 0.3140,
0.3542

 95.0860, 0.3153,
0.3541

 95.4567, 0.3167,
0.3540

 95.8318, 0.3180,
0.3539

Harmonies

Analogous

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



38.1355, 0.2314, 0.2007



38.1355, 0.3092, 0.2240



38.1355, 0.4005, 0.2679

Triad

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



38.1355, 0.3092, 0.2240



38.1355, 0.4494, 0.4489



38.1355, 0.1764, 0.3021

Complementary

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



38.1355, 0.3092, 0.2240



64.1671, 0.3122, 0.4560

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.



38.1355, 0.2221, 0.3985



38.1355, 0.3092, 0.2240



38.1355, 0.3792, 0.4903

Square

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



38.1355, 0.3092, 0.2240



38.1355, 0.4860, 0.3877



38.1355, 0.2962, 0.4772



38.1355, 0.1641, 0.2343

Rectangle

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



38.1355, 0.3092, 0.2240



38.1355, 0.4515, 0.3050



38.1355, 0.2962, 0.4772



38.1355, 0.1879, 0.3325

Sweetspot

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



38.1372, 0.3092, 0.2240



80.0596, 0.3121, 0.2966



30.6000, 0.2369, 0.2131



16.4863, 0.3119, 0.2910



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.



38.1372, 0.3092, 0.2240



41.5965, 0.3079, 0.2043



37.6592, 0.3552, 0.2642



14.5431, 0.3123, 0.3057



10.8956, 0.2976, 0.1413



0.8252, 0.3012, 0.1433

Inverse Universe

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



35.8526, 0.4102, 0.3189



38.4447, 0.4421, 0.3172



64.6708, 0.2858, 0.4052



14.3898, 0.3278, 0.3268



9.5638, 0.6291, 0.3239



0.7143, 0.6031, 0.3096

Previews

White Background



This preview shows how the Yxy color 38.1355, 0.3092, 0.2240 looks on a white background.

Color Contrast Check

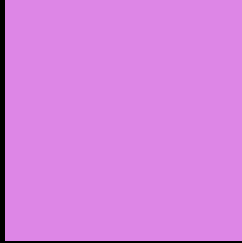
Large Text (above 18pt) WCAG AA × Fail

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 38.1355, 0.3092, 0.2240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

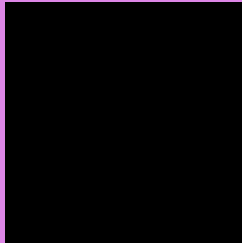
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1355, 0.3092, 0.2240

Background



This preview shows how black text looks on a background with the Yxy color 38.1355, 0.3092, 0.2240.

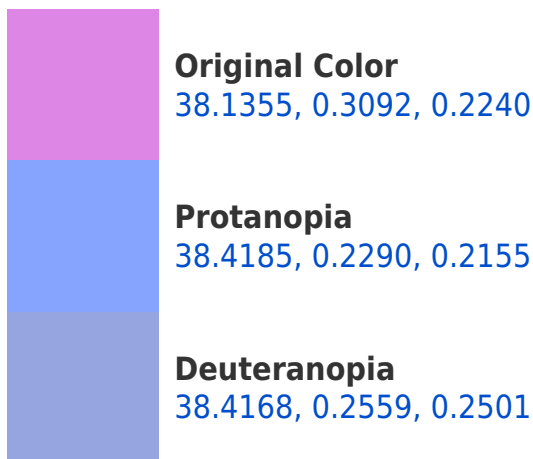


This preview shows how white text looks on a background with the Yxy color 38.1355, 0.3092, 0.2240.

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

38.0651, 0.3660, 0.3143

Trichromacy



Original Color

38.1355, 0.3092, 0.2240



Protanomaly

37.1560, 0.2527, 0.2162



Deuteranomaly

37.5036, 0.2733, 0.2382



Tritanomaly

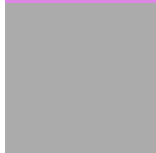
37.9388, 0.3443, 0.2787

Monochromacy



Original Color

38.1355, 0.3092, 0.2240



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

39.0783, 0.3120, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1355, 0.3092, 0.2240 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(221, 134, 230)` looks like.

```
.text, #text, p{  
    color:rgb(221, 134, 230)  
}
```

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(221, 134, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 134, 230) }
```

Border

The CSS property to change the border of an element to Yxy 38.1355, 0.3092, 0.2240 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(221, 134, 230) }
```

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

```
.border{ border-color:rgb(221, 134, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 134, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 134, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 134, 230);  
box-shadow:4px 4px 4px 4px rgb(221, 134,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1355, 0.3092, 0.2240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 134, 230) }
```

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

```
.background{ background-color: rgb(221,  
134, 230) }
```

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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