

Converting Colors

$Y_{xy}(38.3573, 0.3071, 0.2227)$

Have a look what the booklet for
Yxy(38.3573, 0.3071, 0.2227)
contains.

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Color

Yxy(38.5263, 0.3074, 0.2233)

Conversions

Conversions Part 1

Format	Color
Hex	DD87E8
RGB	221, 135, 232
RGB Percent	87%, 53%, 91%
CMY	0.1335, 0.4705, 0.0903
CMYK	0.05, 0.42, 0.00, 0.09
HSL	293°, 68%, 72%
HSV	293°, 42%, 91%
XYZ	53.0362, 38.5263, 80.9691
YIQ	171.7720, 20.1190, 48.3990

Conversions

Conversions Part 2

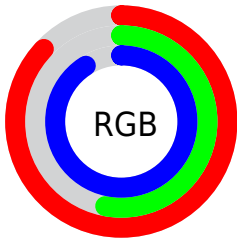
Format	Color
R _Y B	221, 135, 232
Decimal	14518248
CIE Lab	68.41, 47.82, -35.67
CIE LCh	68, 59.653, 323.279
Yxy	38.5263, 0.3074, 0.2233
Android (android.graphics.Color)	4292708328 (0xFFDD87E8)
YUV	171.7720, 29.6924, 43.1730
Hunter-Lab	62.0696, 43.9001, -33.8945

Details

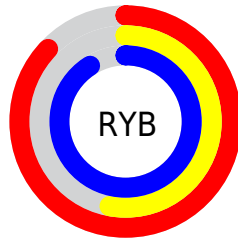
The Yxy color **38.5263, 0.3074, 0.2233** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **65.5678, 0.3134, 0.4557**, and the grayscale version is **40.9754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **17.0617, 0.3035, 0.1979** is the 20% darker color. If you saturate the color by 10%, you get **32.3322, 0.3053, 0.2000**, and if you desaturate by 10%, it is **46.1405, 0.3092, 0.2483**.

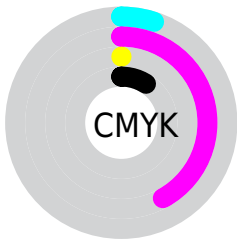
Distribution



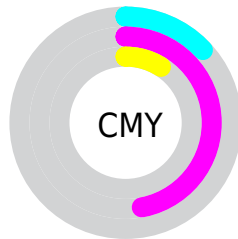
- Red (87%)
- Green (53%)
- Blue (91%)



- Red (87%)
- Yellow (53%)
- Blue (91%)



- Cyan (5%)
- Magenta (42%)
- Yellow (0%)
- Black (9%)



- Cyan (13%)
- Magenta (47%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5263, 0.3074, 0.2233 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 38.5263, 0.3074, 0.2233 by changing the saturation by 10% instead.


 38.5263, 0.3074,
0.2233


 38.5263, 0.3074,
0.2233


339.8723, 0.3118,
0.2727


 26.3914, 0.3059,
0.2121


 72.9141, 0.3094,
0.2404

 17.1167, 0.3036,
0.1983


 95.9358, 0.3100,
0.2471

 10.3177, 0.3004,
0.1811


 123.3553, 0.3105,
0.2528

 5.6101, 0.2952,
0.1591

155.5568, 0.3109,
0.2578

 2.6095, 0.2866,
0.1304

192.9249, 0.3112,
0.2622

 0.9314, 0.2710,
0.0927

235.8439, 0.3114,


 0.0000, 0.2509,

0.2661

0.0000


284.6983, 0.3116,
0.2696


 0.0000, 0.0000,
0.0000

 38.5263, 0.3074,
0.2233


 38.5263, 0.3074,
0.2233


 32.3322, 0.3053,
0.2000


 46.1405, 0.3092,
0.2483


 27.4606, 0.3029,
0.1795


 55.2540, 0.3106,
0.2741


 23.8096, 0.3002,
0.1627


 65.9461, 0.3118,
0.2998


 21.2602, 0.2973,
0.1502

 78.2890, 0.3126,
0.3247


 19.6694, 0.2944,
0.1421

 92.3506, 0.3132,
0.3483

 18.8910, 0.2920,
0.1382

 95.3119, 0.3146,
0.3521

 95.7686, 0.3163,
0.3520

 96.2321, 0.3179,
0.3518

 96.7022, 0.3196,
0.3517

Harmonies

Analogous

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



38.5263, 0.2301, 0.2005



38.5263, 0.3074, 0.2233



38.5263, 0.3988, 0.2668

Triad

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



38.5263, 0.3074, 0.2233



38.5263, 0.4506, 0.4478



38.5263, 0.1770, 0.3039

Complementary

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



38.5263, 0.3074, 0.2233



65.5678, 0.3134, 0.4557

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.



38.5263, 0.2233, 0.4005



38.5263, 0.3074, 0.2233



38.5263, 0.3808, 0.4899

Square

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



38.5263, 0.3074, 0.2233



38.5263, 0.4862, 0.3864



38.5263, 0.2978, 0.4782



38.5263, 0.1641, 0.2353

Rectangle

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



38.5263, 0.3074, 0.2233



38.5263, 0.4503, 0.3038



38.5263, 0.2978, 0.4782



38.5263, 0.1887, 0.3344

Sweetspot

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



38.5280, 0.3074, 0.2233



79.9352, 0.3116, 0.2966



31.6425, 0.2371, 0.2151



16.4552, 0.3114, 0.2909



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.



38.5280, 0.3074, 0.2233



41.1423, 0.3056, 0.2034



38.4214, 0.3536, 0.2624



14.5277, 0.3120, 0.3057



10.5248, 0.2925, 0.1385



0.8015, 0.2969, 0.1409

Inverse Universe

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



36.5666, 0.4081, 0.3166



38.5210, 0.4390, 0.3145



65.8414, 0.2867, 0.4076



14.3945, 0.3275, 0.3264



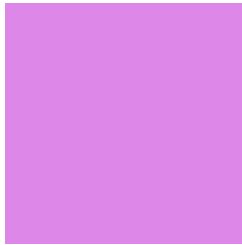
9.5758, 0.6259, 0.3222



0.7165, 0.5958, 0.3056

Previews

White Background



This preview shows how the Yxy color 38.5263, 0.3074, 0.2233 looks on a white background.

Color Contrast Check

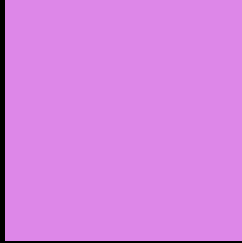
Large Text (above 18pt) WCAG AA × Fail

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 38.5263, 0.3074, 0.2233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

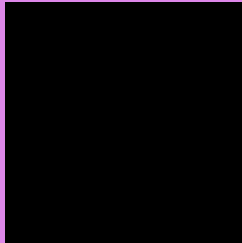
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5263, 0.3074, 0.2233

Background



This preview shows how black text looks on a background with the Yxy color 38.5263, 0.3074, 0.2233.

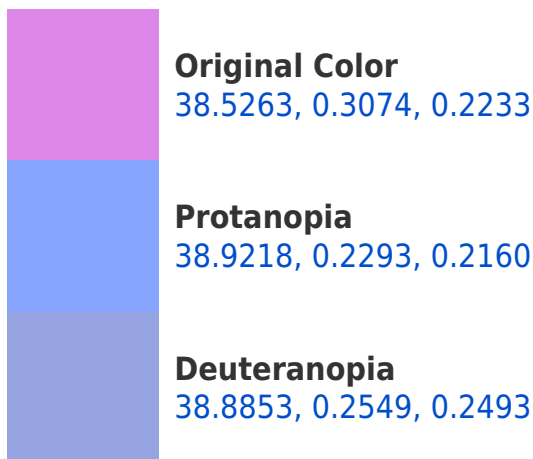


This preview shows how white text looks on a background with the Yxy color 38.5263, 0.3074, 0.2233.

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

38.2702, 0.3637, 0.3142

Trichromacy



Original Color

38.5263, 0.3074, 0.2233



Protanomaly

37.6049, 0.2517, 0.2156



Deuteranomaly

37.9427, 0.2719, 0.2374



Tritanomaly

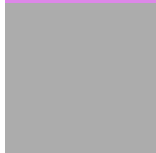
38.2857, 0.3431, 0.2788

Monochromacy



Original Color

38.5263, 0.3074, 0.2233



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.6385, 0.3111, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5263, 0.3074, 0.2233 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, 135, 232)` looks like.

```
.text, #text, p{  
    color:rgb(221, 135, 232)  
}
```

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, 135, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 135, 232) }
```

Border

The CSS property to change the border of an element to Yxy 38.5263, 0.3074, 0.2233 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, 135, 232) }
```

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

```
.border{ border-color:rgb(221, 135, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 135, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 135, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 135, 232);  
box-shadow:4px 4px 4px 4px rgb(221, 135,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5263, 0.3074, 0.2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 135, 232) }
```

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

```
.background{ background-color: rgb(221,  
135, 232) }
```

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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