

Converting Colors

$Y_{xy}(39.9890, 0.3032, 0.2262)$

Have a look what the booklet for
Yxy(39.9890, 0.3032, 0.2262)
contains.

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Color

Yxy(40.1080, 0.3030, 0.2262)

Conversions

Conversions Part 1

Format	Color
Hex	DB8DEB
RGB	219, 141, 235
RGB Percent	86%, 55%, 92%
CMY	0.1412, 0.4470, 0.0786
CMYK	0.07, 0.40, 0.00, 0.08
HSL	290°, 70%, 74%
HSV	290°, 40%, 92%
XYZ	53.7256, 40.1080, 83.4785
YIQ	175.0380, 16.3140, 45.7700

Conversions

Conversions Part 2

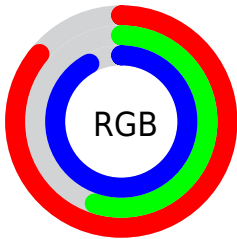
Format	Color
R _Y B	219, 141, 235
Decimal	14388715
CIE Lab	69.55, 44.68, -35.56
CIE LCh	70, 57.100, 321.487
Yxy	40.1080, 0.3030, 0.2262
Android (android.graphics.Color)	4292578795 (0xFFDB8DEB)
YUV	175.0380, 29.5613, 38.5547
Hunter-Lab	63.3309, 40.5981, -33.8205

Details

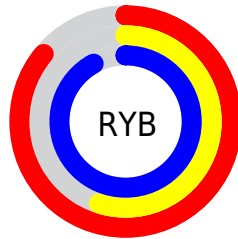
The Yxy color **40.1080, 0.3030, 0.2262** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.4871, 0.3169, 0.4483**, and the grayscale version is **42.7298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **18.0808, 0.2976, 0.2022** is the 20% darker color. If you saturate the color by 10%, you get **33.2866, 0.2994, 0.2016**, and if you desaturate by 10%, it is **48.4175, 0.3061, 0.2522**.

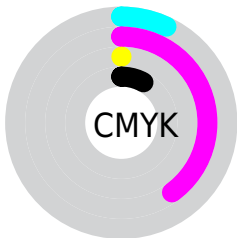
Distribution



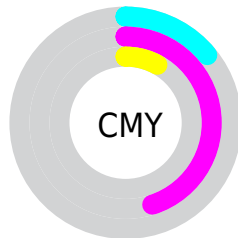
- Red (86%)
- Green (55%)
- Blue (92%)



- Red (86%)
- Yellow (55%)
- Blue (92%)



- Cyan (7%)
- Magenta (40%)
- Yellow (0%)
- Black (8%)





- Cyan (14%)
- Magenta (45%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1080, 0.3030, 0.2262 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 40.1080, 0.3030, 0.2262 by changing the saturation by 10% instead.


 40.1080, 0.3030,
0.2262


 40.1080, 0.3030,
0.2262


346.5786, 0.3094,
0.2741

 27.6228, 0.3010,
0.2153


 75.3279, 0.3056,
0.2428

 18.0415, 0.2983,
0.2020


 98.8314, 0.3066,
0.2493

 10.9798, 0.2943,
0.1853


126.7765, 0.3073,
0.2548

 6.0532, 0.2884,
0.1640

159.5474, 0.3079,
0.2597

 2.8775, 0.2789,
0.1362

197.5287, 0.3084,
0.2639

 1.0681, 0.2623,
0.0993

241.1048, 0.3088,


 0.0000, 0.2430,


0.2677

0.0000


290.6599, 0.3091,
0.2711


 0.0000, 0.0000,
0.0000


 40.1080, 0.3030,
0.2262


 40.1080, 0.3030,
0.2262


 33.2866, 0.2994,
0.2016

 48.4175, 0.3061,
0.2522


 27.8543, 0.2954,
0.1794


 58.2955, 0.3088,
0.2785


 23.7080, 0.2911,
0.1607


 69.8229, 0.3110,
0.3043

 20.7284, 0.2866,
0.1462

 83.0733, 0.3127,
0.3290

 18.7731, 0.2821,
0.1363


 95.8609, 0.3143,
0.3489


 17.6000, 0.2776,
0.1303

 96.5641, 0.3168,
0.3488

 17.5981, 0.2776,
0.1303

 97.2828, 0.3193,
0.3486

 98.0170, 0.3218,
0.3485

 98.7669, 0.3244,
0.3484

Harmonies

Analogous

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



40.1080, 0.2307, 0.2057



40.1080, 0.3030, 0.2262



40.1080, 0.3892, 0.2671

Triad

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



40.1080, 0.3030, 0.2262



40.1080, 0.4475, 0.4399



40.1080, 0.1853, 0.3109

Complementary

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



40.1080, 0.3030, 0.2262



68.4871, 0.3169, 0.4483

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.



40.1080, 0.2319, 0.4017



40.1080, 0.3030, 0.2262



40.1080, 0.3830, 0.4801

Square

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



40.1080, 0.3030, 0.2262



40.1080, 0.4779, 0.3814



40.1080, 0.3042, 0.4715



40.1080, 0.1706, 0.2433

Rectangle

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



40.1080, 0.3030, 0.2262



40.1080, 0.4390, 0.3023



40.1080, 0.3042, 0.4715



40.1080, 0.1973, 0.3401

Sweetspot

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



40.1097, 0.3030, 0.2262



81.0328, 0.3106, 0.2990



36.1975, 0.2421, 0.2291



16.9416, 0.3103, 0.2956



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.



40.1097, 0.3030, 0.2262



41.4090, 0.3001, 0.2058



41.1300, 0.3450, 0.2588



15.1766, 0.3111, 0.3056



9.8466, 0.2783, 0.1307



0.8074, 0.2845, 0.1341

Inverse Universe

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



39.1461, 0.3963, 0.3111



40.2395, 0.4233, 0.3077



67.9915, 0.2910, 0.4120



15.0959, 0.3266, 0.3250



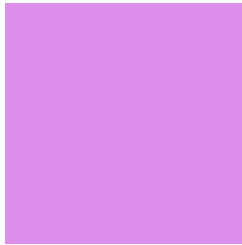
9.9276, 0.6146, 0.3160



0.7918, 0.5791, 0.2964

Previews

White Background



This preview shows how the Yxy color 40.1080, 0.3030, 0.2262 looks on a white background.

Color Contrast Check

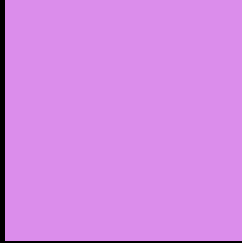
Large Text (above 18pt) WCAG AA × Fail

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 40.1080, 0.3030, 0.2262 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 40.1080, 0.3030, 0.2262

Background



This preview shows how black text looks on a background with the Yxy color 40.1080, 0.3030, 0.2262.

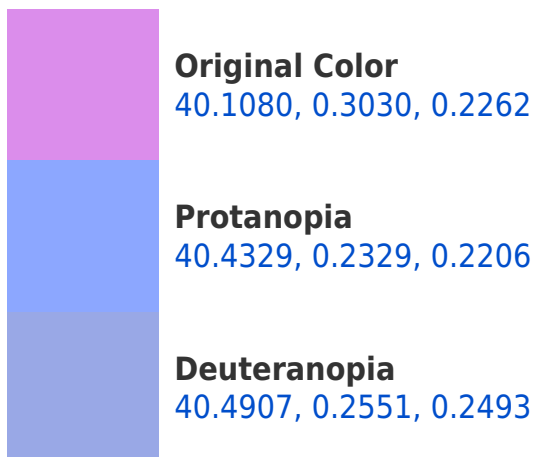


This preview shows how white text looks on a background with the Yxy color 40.1080, 0.3030, 0.2262.

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

39.9343, 0.3562, 0.3142

Trichromacy



Original Color

40.1080, 0.3030, 0.2262



Protanomaly

39.6660, 0.2540, 0.2213



Deuteranomaly

39.6270, 0.2703, 0.2385



Tritanomaly

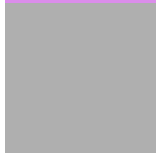
39.7646, 0.3355, 0.2788

Monochromacy



Original Color

40.1080, 0.3030, 0.2262



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

41.3020, 0.3093, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1080, 0.3030, 0.2262 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(219, 141, 235)` looks like.

```
.text, #text, p{  
    color:rgb(219, 141, 235)  
}
```

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(219, 141, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 141, 235) }
```

Border

The CSS property to change the border of an element to Yxy 40.1080, 0.3030, 0.2262 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(219, 141, 235) }
```

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

```
.border{ border-color:rgb(219, 141, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 141, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 141, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 141, 235);  
box-shadow:4px 4px 4px 4px rgb(219, 141,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1080, 0.3030, 0.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 141, 235) }
```

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

```
.background{ background-color: rgb(219,  
141, 235) }
```

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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