

Converting Colors

$Y_{xy}(48.9564, 0.2893, 0.2305)$

Have a look what the booklet for
Yxy(48.9564, 0.2893, 0.2305)
contains.

Yxy(48.9440, 0.2903, 0.2319)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.9440, 0.2903, 0.2319)

Conversions

Conversions Part 1

Format	Color
Hex	DEA3FF
RGB	222, 163, 255
RGB Percent	87%, 64%, 100%
CMY	0.1295, 0.3607, 0.0000
CMYK	0.13, 0.36, 0.00, 0.00
HSL	278°, 100%, 82%
HSV	278°, 36%, 100%
XYZ	61.2697, 48.9440, 100.8428
YIQ	191.1290, 5.6320, 41.1200

Conversions

Conversions Part 2

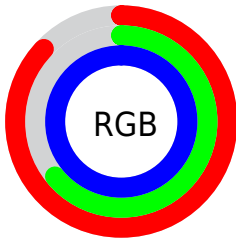
Format	Color
R _{YB}	222, 163, 255
Decimal	14590975
CIE Lab	75.42, 37.89, -37.34
CIE LCh	75, 53.191, 315.419
Yxy	48.9440, 0.2903, 0.2319
Android (android.graphics.Color)	4292781055 (0xFFDEA3FF)
YUV	191.1290, 31.4884, 27.0739
Hunter-Lab	69.9600, 33.8971, -36.4907

Details

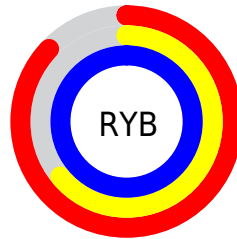
The Yxy color **48.9440, 0.2903, 0.2319** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.9039, 0.3276, 0.4320**, and the grayscale version is **51.9902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1430, 0.3144, 0.2940**, and **23.3361, 0.2835, 0.2100** is the 20% darker color. If you saturate the color by 10%, you get **39.3774, 0.2819, 0.2038**, and if you desaturate by 10%, it is **60.4160, 0.2978, 0.2602**.

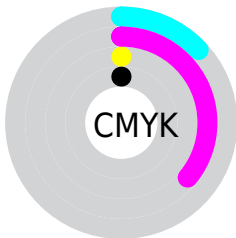
Distribution



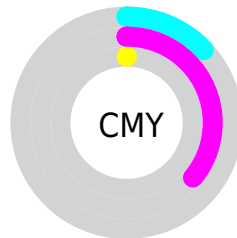
- Red (87%)
- Green (64%)
- Blue (100%)



- Red (87%)
- Yellow (64%)
- Blue (100%)



- Cyan (13%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)




- Cyan (13%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9440, 0.2903, 0.2319 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 48.9440, 0.2903, 0.2319 by changing the saturation by 10% instead.


 48.9440, 0.2903,
0.2319

 48.9440, 0.2903,
0.2319


382.5218, 0.3024,
0.2760

 34.5751, 0.2871,
0.2221


 88.6083, 0.2948,
0.2470

 23.3357, 0.2831,
0.2102


 114.6724, 0.2965,
0.2529

 14.8416, 0.2776,
0.1955

145.4037, 0.2979,
0.2581

 8.7083, 0.2700,
0.1769

181.1866, 0.2991,
0.2626

 4.5514, 0.2589,
0.1529

222.4055, 0.3001,
0.2665

 1.9865, 0.2417,
0.1213

269.4447, 0.3009,

 0.5996, 0.2137,

0.2701

0.0764

322.6887, 0.3017,
0.2732

0.0000, 0.1492,
0.0000

0.0000, 0.0000,
0.0000

48.9440, 0.2903,
0.2319

48.9440, 0.2903,
0.2319

39.3774, 0.2819,
0.2038

60.4160, 0.2978,
0.2602

31.6024, 0.2727,
0.1771

73.8936, 0.3043,
0.2878

25.4963, 0.2630,
0.1531

89.4724, 0.3098,
0.3140

20.9194, 0.2532,
0.1330

100.0000, 0.3127,
0.3290

■ 17.7082, 0.2434,
0.1177

■ 15.6603, 0.2343,
0.1076

■ 15.0570, 0.2308,
0.1045

Harmonies

Analogous

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



48.9440, 0.2301, 0.2178



48.9440, 0.2903, 0.2319



48.9440, 0.3649, 0.2656

Triad

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



48.9440, 0.2903, 0.2319



48.9440, 0.4409, 0.4196



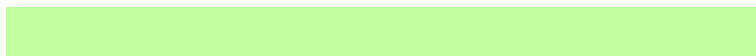
48.9440, 0.2062, 0.3295

Complementary

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



48.9440, 0.2903, 0.2319



85.9039, 0.3276, 0.4320

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.



48.9440, 0.2540, 0.4067



48.9440, 0.2903, 0.2319



48.9440, 0.3896, 0.4574

Square

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



48.9440, 0.2903, 0.2319



48.9440, 0.4577, 0.3671



48.9440, 0.3211, 0.4575



48.9440, 0.1864, 0.2643

Rectangle

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



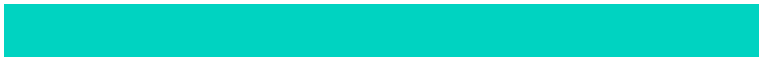
48.9440, 0.2903, 0.2319



48.9440, 0.4110, 0.2963



48.9440, 0.3211, 0.4575



48.9440, 0.2192, 0.3555

Sweetspot

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



48.9447, 0.2903, 0.2319



81.5312, 0.3072, 0.3013



54.8217, 0.2523, 0.2607



17.0028, 0.3064, 0.2977



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.



48.9447, 0.2903, 0.2319



42.1229, 0.2846, 0.2124



53.9128, 0.3268, 0.2500



17.9552, 0.3080, 0.3052



7.9547, 0.2322, 0.1053



0.8361, 0.2423, 0.1109

Inverse Universe

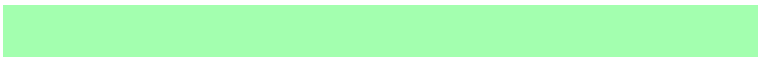
The Inverse Universe completely reimagines the original color for something new.



51.4444, 0.3684, 0.2948



45.1083, 0.3842, 0.2882



82.4135, 0.3014, 0.4236



18.0948, 0.3238, 0.3205



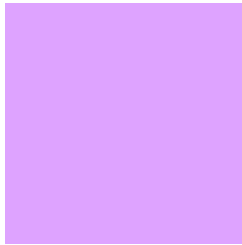
11.5341, 0.5549, 0.2830



1.1430, 0.5235, 0.2658

Previews

White Background



This preview shows how the Yxy color 48.9440, 0.2903, 0.2319 looks on a white background.

Color Contrast Check

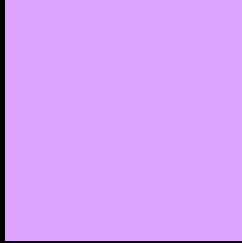
Large Text (above 18pt) WCAG AA × Fail

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 48.9440, 0.2903, 0.2319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

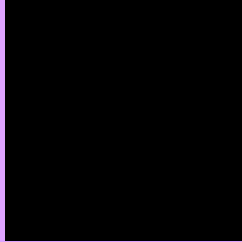
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9440, 0.2903, 0.2319

Background



This preview shows how black text looks on a background with the Yxy color 48.9440, 0.2903, 0.2319.



This preview shows how white text looks on a background with the Yxy color 48.9440, 0.2903, 0.2319.

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



Original Color

48.9440, 0.2903, 0.2319

Protanopia

49.3935, 0.2508, 0.2453

Deuteranopia

49.1568, 0.2554, 0.2486



Tritanopia

48.7654, 0.3329, 0.3123

Trichromacy



Original Color

48.9440, 0.2903, 0.2319



Protanomaly

48.5850, 0.2635, 0.2389



Deuteranomaly

48.7703, 0.2675, 0.2423

Tritanomaly

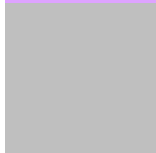
48.5798, 0.3168, 0.2797

Monochromacy



Original Color

48.9440, 0.2903, 0.2319



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.4593, 0.3046, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9440, 0.2903, 0.2319 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(222, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 163, 255)  
}
```

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(222, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.9440, 0.2903, 0.2319 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(222, 163, 255) }
```

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

```
.border{ border-color:rgb(222, 163, 255) }
```

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

Here you see how a box with a 4 pixel rgb(222, 163, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 163,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9440, 0.2903, 0.2319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 163, 255) }
```

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

```
.background{ background-color: rgb(222,  
163, 255) }
```

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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