

Converting Colors

$Y_{xy}(49.7797, 0.2999, 0.2533)$

Have a look what the booklet for
Yxy(49.7797, 0.2999, 0.2533)
contains.

Yxy(49.6680, 0.2997, 0.2524)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.6680, 0.2997, 0.2524)

Conversions

Conversions Part 1

Format	Color
Hex	DBA9EF
RGB	219, 169, 239
RGB Percent	86%, 66%, 94%
CMY	0.1413, 0.3372, 0.0627
CMYK	0.08, 0.29, 0.00, 0.06
HSL	283°, 69%, 80%
HSV	283°, 29%, 94%
XYZ	58.9758, 49.6680, 88.1391
YIQ	191.9300, 7.3300, 32.3700

Conversions

Conversions Part 2

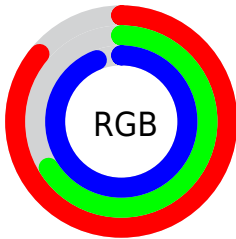
Format	Color
R _Y B	219, 169, 239
Decimal	14395887
CIE Lab	75.87, 30.49, -28.01
CIE LCh	76, 41.403, 317.435
Yxy	49.6680, 0.2997, 0.2524
Android (android.graphics.Color)	4292585967 (0xFFDBA9EF)
YUV	191.9300, 23.2055, 23.7404
Hunter-Lab	70.4755, 26.0415, -24.8172

Details

The Yxy color $49.6680, 0.2997, 0.2524$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $75.4217, 0.3218, 0.4112$, and the grayscale version is $52.5288, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.3304, 0.3141, 0.2999$, and $23.6962, 0.2949, 0.2337$ is the 20% darker color. If you saturate the color by 10%, you get $40.5358, 0.2937, 0.2250$, and if you desaturate by 10%, it is $60.4732, 0.3049, 0.2796$.

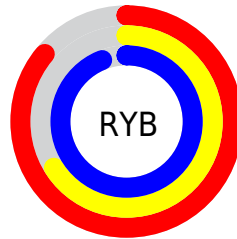
Distribution



Red (86%)

Green (66%)

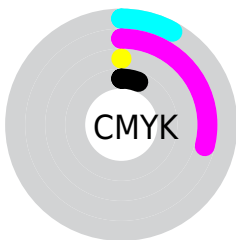
Blue (94%)



Red (86%)

Yellow (66%)

Blue (94%)

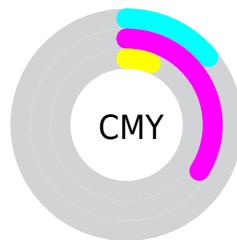


Cyan (8%)

Magenta (29%)

Yellow (0%)

Black (6%)



Cyan (14%)


Magenta (34%)


Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6680, 0.2997, 0.2524 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 49.6680, 0.2997, 0.2524 by changing the saturation by 10% instead.

 49.6680, 0.2997,
0.2524


 49.6680, 0.2997,
0.2524


385.3662, 0.3069,
0.2879

 35.1497, 0.2978,
0.2443


 89.6828, 0.3024,
0.2647

 23.7782, 0.2953,
0.2344


 115.9480, 0.3034,
0.2695

 15.1692, 0.2918,
0.2219


146.8977, 0.3042,
0.2736

 8.9382, 0.2870,
0.2057

182.9162, 0.3049,
0.2772

 4.7009, 0.2796,
0.1842

224.3879, 0.3055,
0.2804

 2.0729, 0.2676,
0.1543

271.6972, 0.3060,

 0.6493, 0.2466,

0.2832

0.1085

325.2285, 0.3065,
0.2857

0.0000, 0.1664,
0.0000

0.0000, 0.0000,
0.0000

49.6680, 0.2997,
0.2524

49.6680, 0.2997,
0.2524

40.5358, 0.2937,
0.2250

60.4732, 0.3049,
0.2796

32.9812, 0.2870,
0.1984

73.0277, 0.3093,
0.3059

26.9087, 0.2797,
0.1739

87.4102, 0.3130,
0.3307

22.2097, 0.2720,
0.1524

97.4042, 0.3166,
0.3447

■ 18.7601, 0.2642,
0.1352

■ 98.6658, 0.3209,
0.3445

■ 16.4131, 0.2564,
0.1227

■ 99.0120, 0.3220,
0.3444

■ 14.9400, 0.2490,
0.1148

■ 14.8477, 0.2485,
0.1142

Harmonies

Analogous

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



49.6680, 0.2503, 0.2400



49.6680, 0.2997, 0.2524



49.6680, 0.3576, 0.2811

Triad

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



49.6680, 0.2997, 0.2524



49.6680, 0.4122, 0.4054



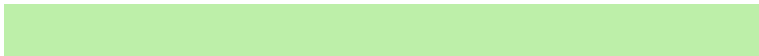
49.6680, 0.2267, 0.3269

Complementary

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



49.6680, 0.2997, 0.2524



75.4217, 0.3218, 0.4112

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.



49.6680, 0.2645, 0.3844



49.6680, 0.2997, 0.2524



49.6680, 0.3717, 0.4302

Square

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



49.6680, 0.2997, 0.2524



49.6680, 0.4258, 0.3650



49.6680, 0.3174, 0.4247



49.6680, 0.2113, 0.2771

Rectangle

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



49.6680, 0.2997, 0.2524



49.6680, 0.3920, 0.3068



49.6680, 0.3174, 0.4247



49.6680, 0.2370, 0.3463

Sweetspot

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



49.6701, 0.2997, 0.2524



84.9973, 0.3094, 0.3065



51.5001, 0.2639, 0.2699



17.7089, 0.3088, 0.3028



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.



49.6701, 0.2997, 0.2524



51.1364, 0.2963, 0.2364



52.1686, 0.3275, 0.2696



15.7910, 0.3092, 0.3054



8.2751, 0.2496, 0.1149



0.7386, 0.2593, 0.1202

Inverse Universe

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



50.4080, 0.3592, 0.3070



52.2157, 0.3723, 0.3025



73.5890, 0.3008, 0.3968



15.8332, 0.3248, 0.3223



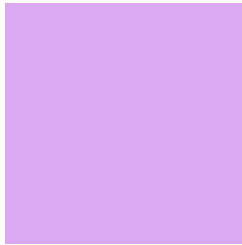
10.3937, 0.5810, 0.2974



0.8812, 0.5437, 0.2769

Previews

White Background



This preview shows how the Yxy color 49.6680, 0.2997, 0.2524 looks on a white background.

Color Contrast Check

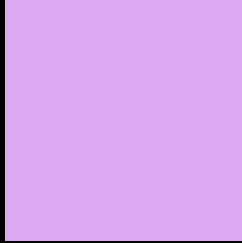
Large Text (above 18pt) WCAG AA × Fail

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 49.6680, 0.2997, 0.2524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

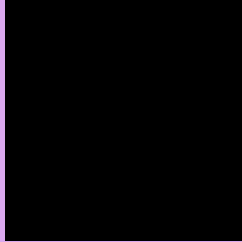
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6680, 0.2997, 0.2524

Background



This preview shows how black text looks on a background with the Yxy color 49.6680, 0.2997, 0.2524.



This preview shows how white text looks on a background with the Yxy color 49.6680, 0.2997, 0.2524.

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

49.6680, 0.2997, 0.2524

Protanopia

50.0980, 0.2563, 0.2512

Deuteranopia

50.0404, 0.2726, 0.2669



Tritanopia

49.6436, 0.3309, 0.3124

Trichromacy



Original Color

49.6680, 0.2997, 0.2524

Protanomaly

49.5204, 0.2702, 0.2505

Deuteranomaly

49.8240, 0.2818, 0.2617

Tritanomaly

49.7105, 0.3197, 0.2897

Monochromacy



Original Color

49.6680, 0.2997, 0.2524

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.4410, 0.3083, 0.2992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6680, 0.2997, 0.2524 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, 169, 239)` looks like.

```
.text, #text, p{  
    color:rgb(219, 169, 239)  
}
```

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, 169, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 169, 239) }
```

Border

The CSS property to change the border of an element to Yxy 49.6680, 0.2997, 0.2524 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, 169, 239) }
```

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

```
.border{ border-color:rgb(219, 169, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 169, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 169, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 169, 239);  
box-shadow:4px 4px 4px 4px rgb(219, 169,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6680, 0.2997, 0.2524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 169, 239) }
```

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

```
.background{ background-color: rgb(219,  
169, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor