

Converting Colors

$Yxy(50.3992, 0.3024, 0.2553)$

Have a look what the booklet for
Yxy(50.3992, 0.3024, 0.2553)
contains.

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Color

Yxy(50.2946, 0.3021, 0.2548)

Conversions

Conversions Part 1

Format	Color
Hex	DDAAEE
RGB	221, 170, 238
RGB Percent	87%, 67%, 93%
CMY	0.1333, 0.3333, 0.0666
CMYK	0.07, 0.29, 0.00, 0.07
HSL	285°, 67%, 80%
HSV	285°, 29%, 93%
XYZ	59.6311, 50.2946, 87.4629
YIQ	193.0010, 8.5680, 31.9600

Conversions

Conversions Part 2

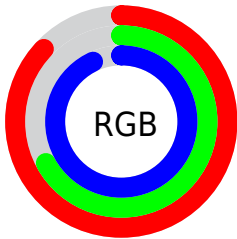
Format	Color
R _Y B	221, 170, 238
Decimal	14527214
CIE Lab	76.25, 30.41, -26.87
CIE LCh	76, 40.576, 318.541
Yxy	50.2946, 0.3021, 0.2548
Android (android.graphics.Color)	4292717294 (0xFFDDAAEE)
YUV	193.0010, 22.1845, 24.5551
Hunter-Lab	70.9187, 25.9818, -23.4783

Details

The Yxy color $50.2946, 0.3021, 0.2548$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $74.6223, 0.3199, 0.4093$, and the grayscale version is $53.1945, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.8727, 0.3140, 0.3009$, and $24.0993, 0.2981, 0.2369$ is the 20% darker color. If you saturate the color by 10%, you get $41.2495, 0.2971, 0.2278$, and if you desaturate by 10%, it is $60.9924, 0.3064, 0.2817$.

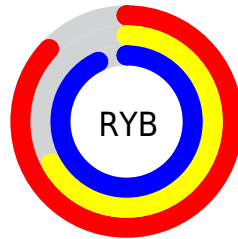
Distribution



Red (87%)

Green (67%)

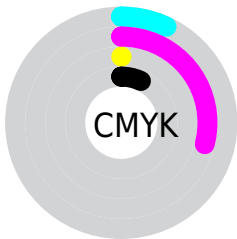
Blue (93%)



Red (87%)

Yellow (67%)

Blue (93%)

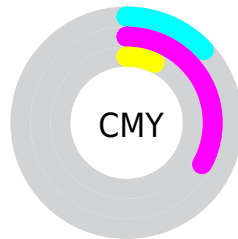


Cyan (7%)

Magenta (29%)

Yellow (0%)

Black (7%)



Cyan (13%)


Magenta (33%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2946, 0.3021, 0.2548 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 50.2946, 0.3021, 0.2548 by changing the saturation by 10% instead.


 50.2946, 0.3021,
0.2548

 50.2946, 0.3021,
0.2548

387.8169, 0.3080,
0.2892

 35.6475, 0.3005,
0.2470


 90.6112, 0.3044,
0.2667

 24.1621, 0.2983,
0.2374


117.0496, 0.3052,
0.2714

 15.4539, 0.2954,
0.2252


148.1871, 0.3059,
0.2754

 9.1386, 0.2912,
0.2095

184.4083, 0.3065,
0.2788

 4.8317, 0.2848,
0.1886

226.0974, 0.3069,
0.2819

 2.1488, 0.2743,
0.1594

273.6390, 0.3074,

 0.6919, 0.2553,

0.2846

0.1153

327.4174, 0.3077,
0.2870

0.0000, 0.1878,
0.0000

0.0000, 0.0000,
0.0000

50.2946, 0.3021,
0.2548

50.2946, 0.3021,
0.2548

41.2495, 0.2971,
0.2278

60.9924, 0.3064,
0.2817

33.7631, 0.2914,
0.2017

73.4175, 0.3101,
0.3077

27.7417, 0.2851,
0.1776

87.6476, 0.3131,
0.3324

23.0790, 0.2785,
0.1567

97.0714, 0.3162,
0.3457

■ 19.6536, 0.2717,
0.1399

■ 98.1572, 0.3199,
0.3455

■ 17.3224, 0.2649,
0.1278

■ 98.9538, 0.3226,
0.3454

■ 15.8773, 0.2583,
0.1201

■ 15.7030, 0.2574,
0.1192

Harmonies

Analogous

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



50.2946, 0.2532, 0.2420



50.2946, 0.3021, 0.2548



50.2946, 0.3586, 0.2834

Triad

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



50.2946, 0.3021, 0.2548



50.2946, 0.4089, 0.4051



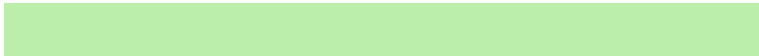
50.2946, 0.2277, 0.3251

Complementary

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



50.2946, 0.3021, 0.2548



74.6223, 0.3199, 0.4093

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.



50.2946, 0.2640, 0.3810



50.2946, 0.3021, 0.2548



50.2946, 0.3686, 0.4282

Square

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



50.2946, 0.3021, 0.2548



50.2946, 0.4232, 0.3660



50.2946, 0.3154, 0.4213



50.2946, 0.2134, 0.2769

Rectangle

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



50.2946, 0.3021, 0.2548



50.2946, 0.3917, 0.3088



50.2946, 0.3154, 0.4213



50.2946, 0.2375, 0.3439

Sweetspot

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



50.2967, 0.3021, 0.2548



85.1500, 0.3099, 0.3066



50.2602, 0.2648, 0.2673



17.7467, 0.3094, 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.



50.2967, 0.3021, 0.2548



52.7165, 0.2994, 0.2398



52.1483, 0.3299, 0.2744



15.8210, 0.3098, 0.3054



8.8238, 0.2584, 0.1197



0.7805, 0.2670, 0.1244

Inverse Universe

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



50.5148, 0.3600, 0.3103



53.0923, 0.3729, 0.3065



73.2900, 0.2991, 0.3906



15.8236, 0.3254, 0.3231



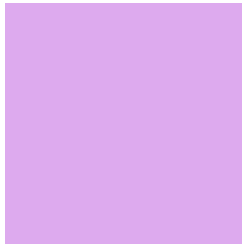
10.3373, 0.5929, 0.3040



0.8754, 0.5560, 0.2837

Previews

White Background



This preview shows how the Yxy color 50.2946, 0.3021, 0.2548 looks on a white background.

Color Contrast Check

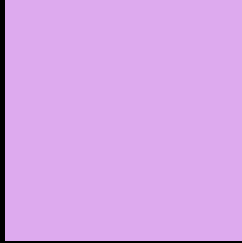
Large Text (above 18pt) WCAG AA × Fail

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 50.2946, 0.3021, 0.2548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

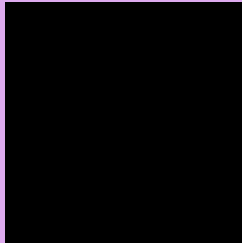
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.2946, 0.3021, 0.2548

Background



This preview shows how black text looks on a background with the Yxy color 50.2946, 0.3021, 0.2548.



This preview shows how white text looks on a background with the Yxy color 50.2946, 0.3021, 0.2548.

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

50.2946, 0.3021, 0.2548

Protanopia

50.6779, 0.2583, 0.2537

Deuteranopia

50.6412, 0.2748, 0.2695



Tritanopia

50.3866, 0.3317, 0.3125

Trichromacy



Original Color

50.2946, 0.3021, 0.2548



Protanomaly

50.1152, 0.2723, 0.2530



Deuteranomaly

50.4344, 0.2841, 0.2642



Tritanomaly

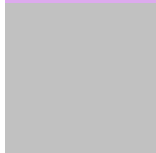
50.4058, 0.3214, 0.2911

Monochromacy



Original Color

50.2946, 0.3021, 0.2548



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

51.9979, 0.3091, 0.3005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2946, 0.3021, 0.2548 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, 170, 238)` looks like.

```
.text, #text, p{  
    color:rgb(221, 170, 238)  
}
```

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, 170, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 170, 238) }
```

Border

The CSS property to change the border of an element to Yxy 50.2946, 0.3021, 0.2548 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, 170, 238) }
```

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

```
.border{ border-color:rgb(221, 170, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 170, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 170, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 170, 238);  
box-shadow:4px 4px 4px 4px rgb(221, 170,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2946, 0.3021, 0.2548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 170, 238) }
```

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

```
.background{ background-color: rgb(221,  
170, 238) }
```

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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