

Converting Colors

$Y_{xy}(49.6751, 0.2948, 0.2554)$

Have a look what the booklet for
Yxy(49.6751, 0.2948, 0.2554)
contains.

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Color

Yxy(49.6751, 0.2948, 0.2554)

Conversions

Conversions Part 1

Format	Color
Hex	D4ACEE
RGB	212, 172, 238
RGB Percent	83%, 67%, 93%
CMY	0.1687, 0.3255, 0.0665
CMYK	0.11, 0.28, 0.00, 0.07
HSL	276°, 66%, 80%
HSV	276°, 28%, 93%
XYZ	57.3384, 49.6751, 87.4857
YIQ	191.4840, 2.6540, 29.0060

Conversions

Conversions Part 2

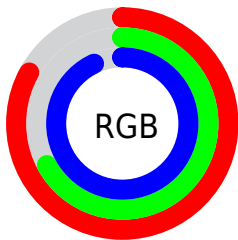
Format	Color
R _Y B	212, 172, 238
Decimal	13937902
CIE Lab	75.87, 26.49, -27.54
CIE LCh	76, 38.211, 313.890
Yxy	49.6751, 0.2948, 0.2554
Android (android.graphics.Color)	4292127982 (0xFFD4ACEE)
YUV	191.4840, 22.9324, 17.9925
Hunter-Lab	70.4806, 21.8749, -24.2588

Details

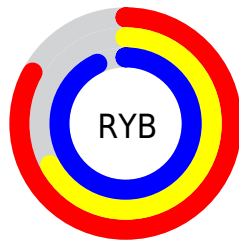
The Yxy color $49.6751, 0.2948, 0.2554$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $76.1648, 0.3263, 0.4051$, and the grayscale version is $52.2602, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.9668, 0.3139, 0.3029$, and $23.7391, 0.2895, 0.2374$ is the 20% darker color. If you saturate the color by 10%, you get $40.0580, 0.2864, 0.2268$, and if you desaturate by 10%, it is $61.0003, 0.3022, 0.2833$.

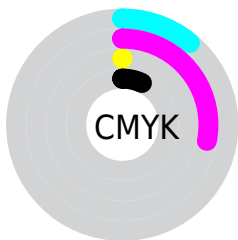
Distribution



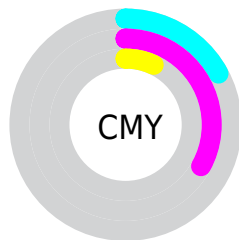
- Red (83%)
- Green (67%)
- Blue (93%)



- Red (83%)
- Yellow (67%)
- Blue (93%)



- Cyan (11%)
- Magenta (28%)
- Yellow (0%)
- Black (7%)





- Cyan (17%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6751, 0.2948, 0.2554 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 49.6751, 0.2948, 0.2554 by changing the saturation by 10% instead.


 49.6751, 0.2948,
0.2554

 49.6751, 0.2948,
0.2554

385.3940, 0.3042,
0.2897

 35.1553, 0.2924,
0.2476


 89.6933, 0.2983,
0.2673

 23.7825, 0.2892,
0.2379


115.9605, 0.2996,
0.2720

 15.1724, 0.2850,
0.2257


146.9123, 0.3007,
0.2759

 8.9405, 0.2790,
0.2098

182.9331, 0.3016,
0.2794

 4.7024, 0.2703,
0.1885

224.4073, 0.3024,
0.2825

 2.0737, 0.2562,
0.1588

271.7192, 0.3031,

 0.6498, 0.2321,

0.2852

0.1126

325.2533, 0.3037,
0.2876

0.0000, 0.1235,
0.0000

0.0000, 0.0000,
0.0000

49.6751, 0.2948,
0.2554

49.6751, 0.2948,
0.2554

40.0580, 0.2864,
0.2268

61.0003, 0.3022,
0.2833

32.0548, 0.2770,
0.1984

74.1089, 0.3085,
0.3097

25.5713, 0.2668,
0.1715

89.0792, 0.3138,
0.3344

20.5011, 0.2561,
0.1474

97.9367, 0.3191,
0.3455

■ 16.7232, 0.2453,
0.1273

■ 98.9554, 0.3226,
0.3453

■ 14.0955, 0.2349,
0.1121

■ 12.4264, 0.2251,
0.1021

■ 12.1168, 0.2230,
0.1002

Harmonies

Analogous

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



49.6751, 0.2504, 0.2460



49.6751, 0.2948, 0.2554



49.6751, 0.3481, 0.2807

Triad

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



49.6751, 0.2948, 0.2554



49.6751, 0.4079, 0.3964



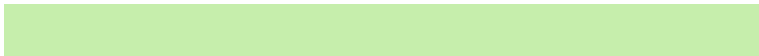
49.6751, 0.2361, 0.3337

Complementary

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



49.6751, 0.2948, 0.2554



76.1648, 0.3263, 0.4051

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.



49.6751, 0.2736, 0.3855



49.6751, 0.2948, 0.2554



49.6751, 0.3730, 0.4211

Square

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



49.6751, 0.2948, 0.2554



49.6751, 0.4165, 0.3582



49.6751, 0.3236, 0.4191



49.6751, 0.2189, 0.2859

Rectangle

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



49.6751, 0.2948, 0.2554



49.6751, 0.3808, 0.3041



49.6751, 0.3236, 0.4191



49.6751, 0.2466, 0.3515

Sweetspot

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



49.6772, 0.2948, 0.2554



86.1733, 0.3083, 0.3090



55.5262, 0.2676, 0.2817



17.9219, 0.3074, 0.3051



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.



49.6772, 0.2948, 0.2554



51.7876, 0.2904, 0.2400



53.4848, 0.3212, 0.2663



15.7022, 0.3075, 0.3053



6.8345, 0.2244, 0.1010



0.6260, 0.2369, 0.1079

Inverse Universe

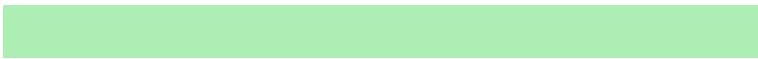
The Inverse Universe completely reimagines the original color for something new.



51.7703, 0.3496, 0.3005



54.6911, 0.3593, 0.2947



73.1827, 0.3052, 0.4010



15.8621, 0.3231, 0.3197



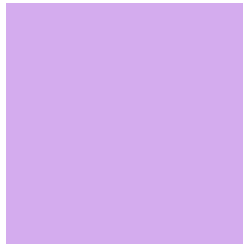
10.6145, 0.5400, 0.2748



0.9021, 0.5049, 0.2555

Previews

White Background



This preview shows how the Yxy color 49.6751, 0.2948, 0.2554 looks on a white background.

Color Contrast Check

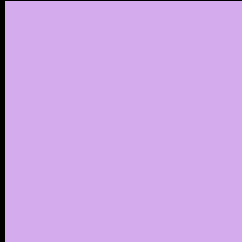
Large Text (above 18pt) WCAG AA × Fail

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 49.6751, 0.2948, 0.2554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

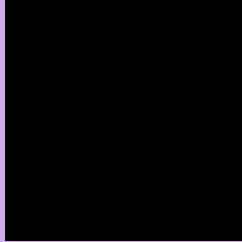
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6751, 0.2948, 0.2554

Background



This preview shows how black text looks on a background with the Yxy color 49.6751, 0.2948, 0.2554.



This preview shows how white text looks on a background with the Yxy color 49.6751, 0.2948, 0.2554.

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

49.6751, 0.2948, 0.2554

Protanopia

50.0213, 0.2587, 0.2543

Deuteranopia

50.0404, 0.2726, 0.2669



Tritanopia

49.5167, 0.3230, 0.3121

Trichromacy



Original Color

49.6751, 0.2948, 0.2554

Protanomaly

49.4885, 0.2707, 0.2544

Deuteranomaly

49.9634, 0.2804, 0.2626

Tritanomaly

49.5073, 0.3128, 0.2902

Monochromacy



Original Color

49.6751, 0.2948, 0.2554

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

50.9772, 0.3067, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6751, 0.2948, 0.2554 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(212, 172, 238)` looks like.

```
.text, #text, p{  
    color:rgb(212, 172, 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(212, 172, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 172, 238) }
```

Border

The CSS property to change the border of an element to Yxy 49.6751, 0.2948, 0.2554 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(212, 172, 238) }
```

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

```
.border{ border-color:rgb(212, 172, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 172, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 172, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 172, 238);  
box-shadow:4px 4px 4px 4px rgb(212, 172,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6751, 0.2948, 0.2554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 172, 238) }
```

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

```
.background{ background-color: rgb(212,  
172, 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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