

Converting Colors

$Yxy(49.6294, 0.2984, 0.2545)$

Have a look what the booklet for
Yxy(49.6294, 0.2984, 0.2545)
contains.

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Color

Yxy(49.5214, 0.2980, 0.2539)

Conversions

Conversions Part 1

Format	Color
Hex	D8AAEE
RGB	216, 170, 238
RGB Percent	85%, 67%, 93%
CMY	0.1530, 0.3333, 0.0666
CMYK	0.09, 0.29, 0.00, 0.07
HSL	281°, 67%, 80%
HSV	281°, 29%, 93%
XYZ	58.1228, 49.5214, 87.3987
YIQ	191.5060, 5.5880, 30.9000

Conversions

Conversions Part 2

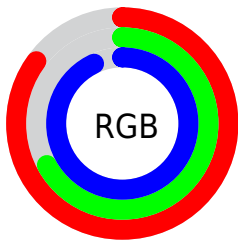
Format	Color
R _Y B	216, 170, 238
Decimal	14199534
CIE Lab	75.77, 28.82, -27.64
CIE LCh	76, 39.929, 316.196
Yxy	49.5214, 0.2980, 0.2539
Android (android.graphics.Color)	4292389614 (0xFFD8AAEE)
YUV	191.5060, 22.9215, 21.4812
Hunter-Lab	70.3714, 24.2808, -24.3760

Details

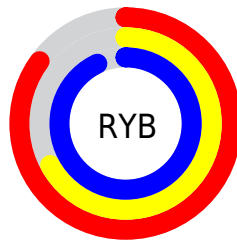
The Yxy color **49.5214, 0.2980, 0.2539** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **75.2772, 0.3233, 0.4085**, and the grayscale version is **52.2718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8727, 0.3140, 0.3009**, and **23.5736, 0.2926, 0.2354** is the 20% darker color. If you saturate the color by 10%, you get **40.2446, 0.2912, 0.2261**, and if you desaturate by 10%, it is **60.4731, 0.3040, 0.2814**.

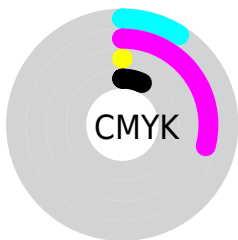
Distribution



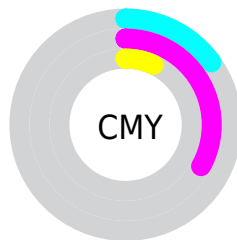
- Red (85%)
- Green (67%)
- Blue (93%)



- Red (85%)
- Yellow (67%)
- Blue (93%)



- Cyan (9%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)





- Cyan (15%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5214, 0.2980, 0.2539 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 49.5214, 0.2980, 0.2539 by changing the saturation by 10% instead.

 49.5214, 0.2980,
0.2539

 49.5214, 0.2980,
0.2539


384.7914, 0.3059,
0.2888

 35.0333, 0.2959,
0.2459


 89.4654, 0.3010,
0.2660

 23.6885, 0.2932,
0.2361


115.6900, 0.3021,
0.2707

 15.1027, 0.2895,
0.2238


146.5955, 0.3030,
0.2748

 8.8915, 0.2842,
0.2077

182.5664, 0.3038,
0.2783

 4.6705, 0.2764,
0.1863

223.9871, 0.3044,
0.2814

 2.0552, 0.2636,
0.1564

271.2418, 0.3050,

 0.6393, 0.2415,

0.2842

0.1100

324.7151, 0.3055,
0.2866

0.0000, 0.1472,
0.0000

0.0000, 0.0000,
0.0000

49.5214, 0.2980,
0.2539

49.5214, 0.2980,
0.2539

40.2446, 0.2912,
0.2261

60.4731, 0.3040,
0.2814

32.5484, 0.2835,
0.1988

73.1748, 0.3090,
0.3077

26.3387, 0.2752,
0.1734

87.7045, 0.3133,
0.3324

21.5085, 0.2664,
0.1509

97.4387, 0.3174,
0.3456

■ 17.9363, 0.2575,
0.1326

■ 98.8693, 0.3223,
0.3454

■ 15.4783, 0.2488,
0.1191

■ 98.9542, 0.3226,
0.3454

■ 13.9263, 0.2405,
0.1103

■ 13.7377, 0.2393,
0.1092

Harmonies

Analogous

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



49.5214, 0.2507, 0.2427



49.5214, 0.2980, 0.2539



49.5214, 0.3539, 0.2812

Triad

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



49.5214, 0.2980, 0.2539



49.5214, 0.4101, 0.4017



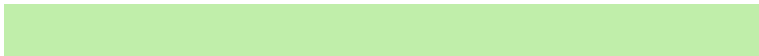
49.5214, 0.2306, 0.3295

Complementary

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



49.5214, 0.2980, 0.2539



75.2772, 0.3233, 0.4085

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.



49.5214, 0.2681, 0.3844



49.5214, 0.2980, 0.2539



49.5214, 0.3719, 0.4263

Square

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



49.5214, 0.2980, 0.2539



49.5214, 0.4218, 0.3624



49.5214, 0.3197, 0.4220



49.5214, 0.2146, 0.2806

Rectangle

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



49.5214, 0.2980, 0.2539



49.5214, 0.3874, 0.3059



49.5214, 0.3197, 0.4220



49.5214, 0.2410, 0.3482

Sweetspot

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



49.5235, 0.2980, 0.2539



84.8377, 0.3088, 0.3065



52.7208, 0.2655, 0.2744



17.6695, 0.3081, 0.3027



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.



49.5235, 0.2980, 0.2539



51.6504, 0.2943, 0.2384



52.4633, 0.3252, 0.2688



15.7597, 0.3086, 0.3054



7.7356, 0.2406, 0.1099



0.6970, 0.2513, 0.1158

Inverse Universe

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



50.7428, 0.3554, 0.3048



53.3801, 0.3669, 0.2999



73.0586, 0.3024, 0.3978



15.8433, 0.3242, 0.3214



10.4621, 0.5674, 0.2899



0.8879, 0.5303, 0.2695

Previews

White Background



This preview shows how the Yxy color 49.5214, 0.2980, 0.2539 looks on a white background.

Color Contrast Check

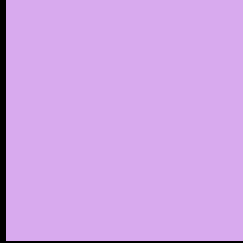
Large Text (above 18pt) WCAG AA × Fail

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 49.5214, 0.2980, 0.2539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

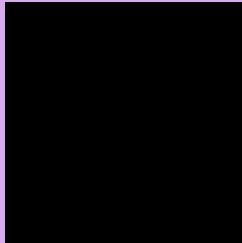
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5214, 0.2980, 0.2539

Background



This preview shows how black text looks on a background with the Yxy color 49.5214, 0.2980, 0.2539.



This preview shows how white text looks on a background with the Yxy color 49.5214, 0.2980, 0.2539.

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

49.5214, 0.2980, 0.2539

Protanopia

49.9725, 0.2574, 0.2532

Deuteranopia

49.5684, 0.2731, 0.2668



Tritanopia

49.6458, 0.3273, 0.3123

Trichromacy



Original Color

49.5214, 0.2980, 0.2539

Protanomaly

49.6742, 0.2708, 0.2536

Deuteranomaly

49.2344, 0.2817, 0.2614

Tritanomaly

49.6512, 0.3171, 0.2906

Monochromacy



Original Color

49.5214, 0.2980, 0.2539

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.3019, 0.3075, 0.2992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5214, 0.2980, 0.2539 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(216, 170, 238)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 170, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 170, 238) }
```

Border

The CSS property to change the border of an element to Yxy 49.5214, 0.2980, 0.2539 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(216, 170, 238) }
```

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

```
.border{ border-color:rgb(216, 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(216, 170, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 170, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 170, 238);  
box-shadow:4px 4px 4px 4px rgb(216, 170,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5214, 0.2980, 0.2539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 170, 238) }
```

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

```
.background{ background-color: rgb(216,  
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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