

# Converting Colors

$Y_{xy}(46.2378, 0.3073, 0.2523)$

Have a look what the booklet for  
Yxy(46.2378, 0.3073, 0.2523)  
contains.

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# Color

**Yxy(46.2630, 0.3068, 0.2523)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBA1E6
RGB	219, 161, 230
RGB Percent	86%, 63%, 90%
CMY	0.1410, 0.3687, 0.0979
CMYK	0.05, 0.30, 0.00, 0.10
HSL	290°, 58%, 77%
HSV	290°, 30%, 90%
XYZ	56.2564, 46.2630, 80.8456
YIQ	186.2080, 12.4190, 33.7550

# Conversions

## Conversions Part 2

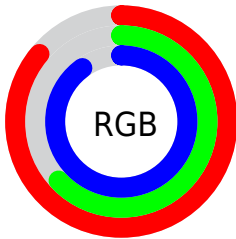
Format	Color
R <sub>Y</sub> B	219, 161, 230
Decimal	14393830
CIE Lab	73.72, 33.10, -26.42
CIE LCh	74, 42.351, 321.401
Yxy	46.2630, 0.3068, 0.2523
Android (android.graphics.Color)	4292583910 (0xFFDBA1E6)
YUV	186.2080, 21.5895, 28.7586
Hunter-Lab	68.0169, 28.6067, -22.8609

# Details

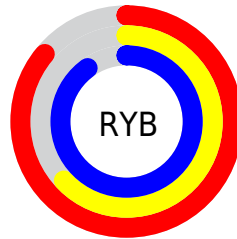
The Yxy color  $46.2630, 0.3068, 0.2523$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $67.9446, 0.3159, 0.4149$ , and the grayscale version is  $49.0997, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $77.5917, 0.3145, 0.2910$ , and  $21.7798, 0.3042, 0.2348$  is the 20% darker color. If you saturate the color by 10%, you get  $38.3922, 0.3039, 0.2265$ , and if you desaturate by 10%, it is  $55.6289, 0.3092, 0.2785$ .

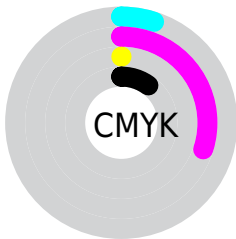
# Distribution



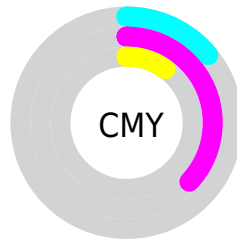
- Red (86%)
- Green (63%)
- Blue (90%)



- Red (86%)
- Yellow (63%)
- Blue (90%)



- Cyan (5%)
- Magenta (30%)
- Yellow (0%)
- Black (10%)




- Cyan (14%)
- Magenta (37%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2630, 0.3068, 0.2523 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 46.2630, 0.3068, 0.2523 by changing the saturation by 10% instead.





 46.2630, 0.3068,  
0.2523


 46.2630, 0.3068,  
0.2523

371.8650, 0.3106,  
0.2882

 32.4534, 0.3056,  
0.2440


 84.6125, 0.3083,  
0.2648

 21.7081, 0.3041,  
0.2338


 109.9211, 0.3089,  
0.2697

 13.6425, 0.3018,  
0.2209


139.8316, 0.3093,  
0.2739

 7.8725, 0.2984,  
0.2041

174.7283, 0.3097,  
0.2775

 4.0135, 0.2930,  
0.1814

214.9956, 0.3100,  
0.2807

 1.6811, 0.2833,  
0.1496

261.0179, 0.3102,

 0.4114, 0.2684,

0.2835

0.0882

313.1795, 0.3104,  
0.2860

0.0000, 0.1182,  
0.0000

0.0000, 0.0000,  
0.0000

46.2630, 0.3068,  
0.2523

46.2630, 0.3068,  
0.2523

38.3922, 0.3039,  
0.2265

55.6289, 0.3092,  
0.2785

31.9293, 0.3007,  
0.2021

66.5591, 0.3112,  
0.3042

26.7872, 0.2970,  
0.1802

79.1254, 0.3127,  
0.3290

22.8665, 0.2930,  
0.1617

93.3937, 0.3139,  
0.3522

■ 20.0539, 0.2889,  
0.1474

■ 95.2954, 0.3161,  
0.3540

■ 18.2142, 0.2846,  
0.1377

■ 95.9320, 0.3184,  
0.3539

■ 17.1161, 0.2805,  
0.1319

■ 96.5814, 0.3207,  
0.3537

■ 97.2438, 0.3230,  
0.3535

■ 97.9193, 0.3254,  
0.3533

# Harmonies

## Analogous

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



46.2630, 0.2533, 0.2369



46.2630, 0.3068, 0.2523



46.2630, 0.3674, 0.2839

# Triad

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



46.2630, 0.3068, 0.2523



46.2630, 0.4123, 0.4132



46.2630, 0.2194, 0.3188

# Complementary

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



46.2630, 0.3068, 0.2523



67.9446, 0.3159, 0.4149

# 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.



46.2630, 0.2558, 0.3796



46.2630, 0.3068, 0.2523



46.2630, 0.3670, 0.4364

# Square

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



46.2630, 0.3068, 0.2523



46.2630, 0.4312, 0.3721



46.2630, 0.3096, 0.4260



46.2630, 0.2068, 0.2691



# Rectangle

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



46.2630, 0.3068, 0.2523



46.2630, 0.4018, 0.3113



46.2630, 0.3096, 0.4260



46.2630, 0.2291, 0.3388

# Sweetspot

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



46.2650, 0.3068, 0.2523



85.5365, 0.3113, 0.3067



42.9790, 0.2614, 0.2563



17.8424, 0.3111, 0.3030



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.



46.2650, 0.3068, 0.2523



52.0839, 0.3051, 0.2363



46.8141, 0.3361, 0.2778



14.4932, 0.3113, 0.3057



9.7323, 0.2811, 0.1322



0.7504, 0.2873, 0.1356



# Inverse Universe

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



45.2851, 0.3692, 0.3165



50.7311, 0.3860, 0.3139



67.6428, 0.2952, 0.3866



14.4051, 0.3268, 0.3253



9.6098, 0.6170, 0.3173

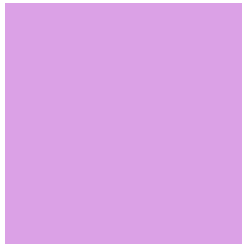


0.7216, 0.5804, 0.2971



# Previews

## White Background



This preview shows how the Yxy color 46.2630, 0.3068, 0.2523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

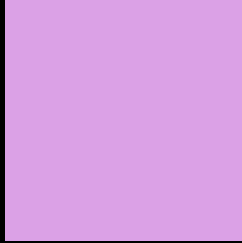
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.2630, 0.3068, 0.2523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

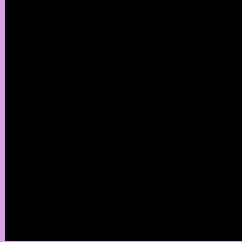
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.2630, 0.3068, 0.2523**

## Background



This preview shows how black text looks on a background with the Yxy color 46.2630, 0.3068, 0.2523.



This preview shows how white text looks on a background with the Yxy color 46.2630, 0.3068, 0.2523.

# 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

46.2630, 0.3068, 0.2523

### Protanopia

46.4978, 0.2560, 0.2511

### Deuteranopia

46.6169, 0.2749, 0.2687



## Tritanopia

46.1654, 0.3399, 0.3134

# Trichromacy



## Original Color

46.2630, 0.3068, 0.2523



## Protanomaly

45.7454, 0.2723, 0.2506



## Deuteranomaly

46.3130, 0.2861, 0.2624



## Tritanomaly

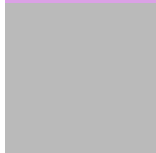
46.2546, 0.3280, 0.2903

# Monochromacy



## Original Color

46.2630, 0.3068, 0.2523



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

47.7143, 0.3107, 0.2985

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.2630, 0.3068, 0.2523 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, 161, 230)` looks like.

```
.text, #text, p{  
    color:rgb(219, 161, 230)  
}
```

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, 161, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 161, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 46.2630, 0.3068, 0.2523 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, 161, 230) }
```

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

```
.border{ border-color:rgb(219, 161, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 161, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 161, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 161, 230);  
box-shadow:4px 4px 4px 4px rgb(219, 161,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.2630, 0.3068, 0.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 161, 230) }
```

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

```
.background{ background-color: rgb(219,  
161, 230) }
```

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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