

Converting Colors

$Y_{xy}(49.0461, 0.3160, 0.2768)$

Have a look what the booklet for
Yxy(49.0461, 0.3160, 0.2768)
contains.

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Color

Yxy(49.0410, 0.3160, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	DAABD9
RGB	218, 171, 217
RGB Percent	85%, 67%, 85%
CMY	0.1453, 0.3293, 0.1491
CMYK	0.00, 0.22, 0.00, 0.15
HSL	301°, 39%, 76%
HSV	301°, 22%, 85%
XYZ	55.9861, 49.0410, 72.1441
YIQ	190.2970, 13.2460, 24.2700

Conversions

Conversions Part 2

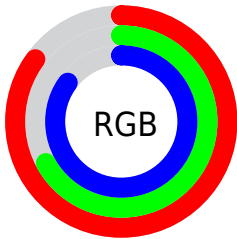
Format	Color
R _Y B	218, 171, 217
Decimal	14330841
CIE Lab	75.48, 24.84, -16.64
CIE LCh	75, 29.894, 326.177
Yxy	49.0410, 0.3160, 0.2768
Android (android.graphics.Color)	4292520921 (0xFFDAABD9)
YUV	190.2970, 13.1646, 24.2955
Hunter-Lab	70.0293, 20.1537, -12.0600

Details

The Yxy color $49.0410, 0.3160, 0.2768$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $61.7552, 0.3093, 0.3874$, and the grayscale version is $51.5884, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.4182, 0.3140, 0.3019$, and $23.3520, 0.3170, 0.2634$ is the 20% darker color. If you saturate the color by 10%, you get $41.4520, 0.3176, 0.2525$, and if you desaturate by 10%, it is $57.9920, 0.3144, 0.3013$.

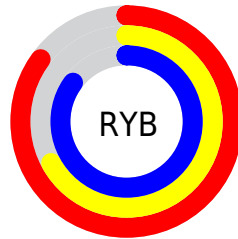
Distribution



Red (85%)

Green (67%)

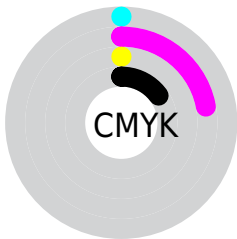
Blue (85%)



Red (85%)

Yellow (67%)

Blue (85%)

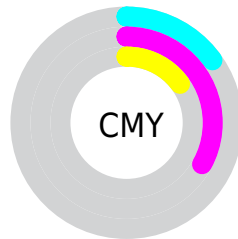


Cyan (0%)

Magenta (22%)

Yellow (0%)

Black (15%)



Cyan (15%)


Magenta (33%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0410, 0.3160, 0.2768 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 49.0410, 0.3160, 0.2768 by changing the saturation by 10% instead.


 49.0410, 0.3160,
0.2768

 49.0410, 0.3160,
0.2768

382.9037, 0.3148,
0.3016

 34.6520, 0.3162,
0.2710


 88.7523, 0.3157,
0.2855

 23.3949, 0.3163,
0.2637


114.8435, 0.3155,
0.2889

 14.8854, 0.3164,
0.2545


145.6041, 0.3154,
0.2917

 8.7390, 0.3164,
0.2421

181.4187, 0.3152,
0.2942

 4.5713, 0.3160,
0.2250

222.6715, 0.3151,
0.2964

 1.9980, 0.3146,
0.1999

269.7470, 0.3150,

 0.6063, 0.3123,

0.2983

0.1539

323.0296, 0.3149,
0.3001

0.0000, 0.1741,
0.0000

0.0000, 0.0000,
0.0000

49.0410, 0.3160,
0.2768

49.0410, 0.3160,
0.2768

41.4520, 0.3176,
0.2525

57.9920, 0.3144,
0.3013

35.1520, 0.3193,
0.2293

68.3603, 0.3129,
0.3254

30.0711, 0.3208,
0.2081

80.2064, 0.3115,
0.3485

26.1301, 0.3223,
0.1899

91.5201, 0.3104,
0.3670

■ 23.2408, 0.3236,
0.1755

■ 91.5439, 0.3102,
0.3665

■ 21.3016, 0.3247,
0.1653

■ 91.5677, 0.3099,
0.3660

■ 20.1911, 0.3256,
0.1594

■ 91.5915, 0.3097,
0.3655

■ 19.7237, 0.3262,
0.1571

■ 91.6155, 0.3094,
0.3650

■ 91.6395, 0.3092,
0.3646

Harmonies

Analogous

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



49.0410, 0.2765, 0.2636



49.0410, 0.3160, 0.2768



49.0410, 0.3570, 0.3018

Triad

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



49.0410, 0.3160, 0.2768



49.0410, 0.3791, 0.3929



49.0410, 0.2439, 0.3170

Complementary

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



49.0410, 0.3160, 0.2768



61.7552, 0.3093, 0.3874

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.



49.0410, 0.2682, 0.3573



49.0410, 0.3160, 0.2768



49.0410, 0.3460, 0.4031

Square

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



49.0410, 0.3160, 0.2768



49.0410, 0.3945, 0.3667



49.0410, 0.3053, 0.3904



49.0410, 0.2370, 0.2838

Rectangle

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



49.0410, 0.3160, 0.2768



49.0410, 0.3787, 0.3227



49.0410, 0.3053, 0.3904



49.0410, 0.2502, 0.3302

Sweetspot

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



49.0431, 0.3160, 0.2768



90.6033, 0.3136, 0.3146



42.9460, 0.2772, 0.2694



19.1838, 0.3137, 0.3130



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.



49.0431, 0.3160, 0.2768



64.6583, 0.3168, 0.2653



47.9165, 0.3357, 0.3025



13.2700, 0.3141, 0.3064



11.8252, 0.3261, 0.1570



0.7676, 0.3252, 0.1565

Inverse Universe

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



49.0431, 0.3160, 0.2768



64.6583, 0.3168, 0.2653



62.7290, 0.2946, 0.3571



13.2700, 0.3141, 0.3064



11.8252, 0.3261, 0.1570



0.7676, 0.3252, 0.1565

Previews

White Background



This preview shows how the Yxy color 49.0410, 0.3160, 0.2768 looks on a white background.

Color Contrast Check

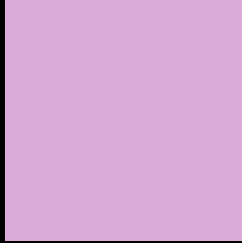
Large Text (above 18pt) WCAG AA × Fail

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 49.0410, 0.3160, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

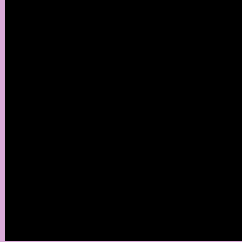
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0410, 0.3160, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 49.0410, 0.3160, 0.2768.



This preview shows how white text looks on a background with the Yxy color 49.0410, 0.3160, 0.2768.

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

49.0410, 0.3160, 0.2768

Protanopia

49.1191, 0.2769, 0.2776

Deuteranopia

49.4386, 0.2950, 0.2890



Tritanopia

49.0645, 0.3347, 0.3125

Trichromacy



Original Color

49.0410, 0.3160, 0.2768

Protanomaly

48.7744, 0.2900, 0.2764

Deuteranomaly

49.2162, 0.3023, 0.2840

Tritanomaly

48.8893, 0.3273, 0.2986

Monochromacy



Original Color

49.0410, 0.3160, 0.2768

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.3165, 0.3137, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0410, 0.3160, 0.2768 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(218, 171, 217)` looks like.

```
.text, #text, p{  
    color:rgb(218, 171, 217)  
}
```

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(218, 171, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 171, 217) }
```

Border

The CSS property to change the border of an element to Yxy 49.0410, 0.3160, 0.2768 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(218, 171, 217) }
```

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

```
.border{ border-color:rgb(218, 171, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 171, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 171, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 171, 217);  
box-shadow:4px 4px 4px 4px rgb(218, 171,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0410, 0.3160, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 171, 217) }
```

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

```
.background{ background-color: rgb(218,  
171, 217) }
```

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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