

Converting Colors

$Y_{xy}(46.7765, 0.3138, 0.2676)$

Have a look what the booklet for
Yxy(46.7765, 0.3138, 0.2676)
contains.

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Color

Yxy(46.7765, 0.3138, 0.2676)

Conversions

Conversions Part 1

Format	Color
Hex	D9A5DB
RGB	217, 165, 219
RGB Percent	85%, 65%, 86%
CMY	0.1491, 0.3529, 0.1411
CMYK	0.01, 0.25, 0.00, 0.14
HSL	298°, 43%, 75%
HSV	298°, 25%, 86%
XYZ	54.8523, 46.7765, 73.1713
YIQ	186.7040, 13.6580, 27.8180

Conversions

Conversions Part 2

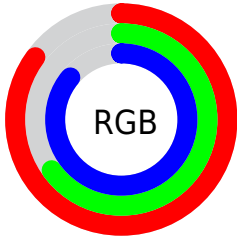
Format	Color
R_{YB}	217, 165, 219
Decimal	14263771
CIE _{Lab}	74.05, 28.15, -19.93
CIE _{LCh}	74, 34.492, 324.704
Yxy	46.7765, 0.3138, 0.2676
Android (android.graphics.Color)	4292453851 (0xFFD9A5DB)
YUV	186.7040, 15.9219, 26.5696
Hunter-Lab	68.3933, 23.4707, -15.5567

Details

The Yxy color $46.7765, 0.3138, 0.2676$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $61.6155, 0.3109, 0.3984$, and the grayscale version is $49.4223, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.6664, 0.3143, 0.2950$, and $22.0677, 0.3127, 0.2527$ is the 20% darker color. If you saturate the color by 10%, you get $39.4144, 0.3141, 0.2428$, and if you desaturate by 10%, it is $55.4963, 0.3134, 0.2928$.

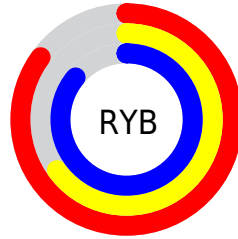
Distribution



Red (85%)

Green (65%)

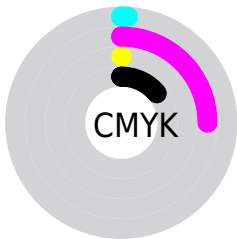
Blue (86%)



Red (85%)

Yellow (65%)

Blue (86%)

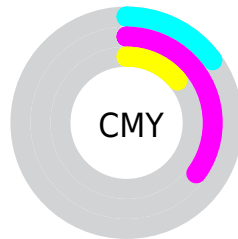


Cyan (1%)

Magenta (25%)

Yellow (0%)

Black (14%)



Cyan (15%)


Magenta (35%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7765, 0.3138, 0.2676 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 46.7765, 0.3138, 0.2676 by changing the saturation by 10% instead.


 46.7765, 0.3138,
0.2676

 46.7765, 0.3138,
0.2676


373.9217, 0.3139,
0.2967

 32.8590, 0.3136,
0.2608


 85.3799, 0.3139,
0.2778

 22.0185, 0.3133,
0.2523


 110.8346, 0.3140,
0.2818

 13.8705, 0.3128,
0.2414


140.9038, 0.3140,
0.2852

 8.0306, 0.3118,
0.2271

175.9720, 0.3140,
0.2881

 4.1146, 0.3099,
0.2072

216.4235, 0.3139,
0.2907

 1.7378, 0.3059,
0.1784

262.6426, 0.3139,

 0.4480, 0.3014,

0.2929

0.1181

315.0139, 0.3139,
0.2949

0.0000, 0.0825,
0.0000

0.0000, 0.0000,
0.0000

46.7765, 0.3138,
0.2676

46.7765, 0.3138,
0.2676

39.4144, 0.3141,
0.2428

55.4963, 0.3134,
0.2928

33.3350, 0.3141,
0.2192

65.6318, 0.3130,
0.3177

28.4653, 0.3141,
0.1980

77.2448, 0.3124,
0.3416

24.7225, 0.3138,
0.1800

90.3919, 0.3119,
0.3642

■ 22.0136, 0.3133,
0.1659

■ 92.0288, 0.3123,
0.3665

■ 20.2305, 0.3126,
0.1562

■ 92.1600, 0.3128,
0.3664

■ 19.2415, 0.3118,
0.1507

■ 92.2917, 0.3133,
0.3664

■ 18.9201, 0.3113,
0.1489

■ 92.4241, 0.3138,
0.3663

■ 92.5572, 0.3143,
0.3663

Harmonies

Analogous

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



46.7765, 0.2684, 0.2531



46.7765, 0.3138, 0.2676



46.7765, 0.3623, 0.2956

Triad

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



46.7765, 0.3138, 0.2676



46.7765, 0.3914, 0.4019



46.7765, 0.2337, 0.3165

Complementary

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



46.7765, 0.3138, 0.2676



61.6155, 0.3109, 0.3984

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.



46.7765, 0.2624, 0.3646



46.7765, 0.3138, 0.2676



46.7765, 0.3532, 0.4163

Square

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



46.7765, 0.3138, 0.2676



46.7765, 0.4088, 0.3701



46.7765, 0.3058, 0.4033



46.7765, 0.2250, 0.2773

Rectangle

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



46.7765, 0.3138, 0.2676



46.7765, 0.3886, 0.3193



46.7765, 0.3058, 0.4033



46.7765, 0.2412, 0.3323

Sweetspot

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



46.7785, 0.3138, 0.2676



89.0068, 0.3131, 0.3118



41.0168, 0.2709, 0.2629



18.8586, 0.3131, 0.3103



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.



46.7785, 0.3138, 0.2676



59.9728, 0.3140, 0.2536



45.9068, 0.3366, 0.2943



13.2483, 0.3132, 0.3059



11.2273, 0.3115, 0.1490



0.7354, 0.3131, 0.1499

Inverse Universe

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



44.7718, 0.3624, 0.3267



56.6531, 0.3779, 0.3261



62.3643, 0.2943, 0.3665



13.0595, 0.3286, 0.3282



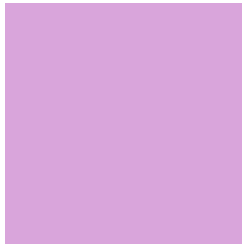
8.9444, 0.6358, 0.3276



0.5823, 0.6229, 0.3205

Previews

White Background



This preview shows how the Yxy color 46.7765, 0.3138, 0.2676 looks on a white background.

Color Contrast Check

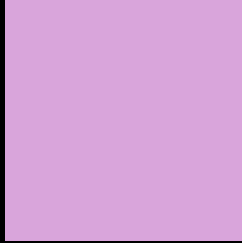
Large Text (above 18pt) WCAG AA × Fail

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 46.7765, 0.3138, 0.2676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

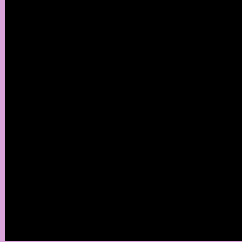
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7765, 0.3138, 0.2676

Background



This preview shows how black text looks on a background with the Yxy color 46.7765, 0.3138, 0.2676.



This preview shows how white text looks on a background with the Yxy color 46.7765, 0.3138, 0.2676.

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

46.7765, 0.3138, 0.2676

Protanopia

46.9017, 0.2688, 0.2672

Deuteranopia

46.9178, 0.2872, 0.2808



Tritanopia

46.6257, 0.3380, 0.3122

Trichromacy



Original Color

46.7765, 0.3138, 0.2676

Protanomaly

46.7157, 0.2838, 0.2675

Deuteranomaly

46.5512, 0.2959, 0.2749

Tritanomaly

46.7033, 0.3295, 0.2960

Monochromacy



Original Color

46.7765, 0.3138, 0.2676

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.3695, 0.3130, 0.3045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7765, 0.3138, 0.2676 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(217, 165, 219)` looks like.

```
.text, #text, p{  
    color:rgb(217, 165, 219)  
}
```

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(217, 165, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 165, 219) }
```

Border

The CSS property to change the border of an element to Yxy 46.7765, 0.3138, 0.2676 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(217, 165, 219) }
```

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

```
.border{ border-color:rgb(217, 165, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 165, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 165, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 165, 219);  
box-shadow:4px 4px 4px 4px rgb(217, 165,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7765, 0.3138, 0.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 165, 219) }
```

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

```
.background{ background-color: rgb(217,  
165, 219) }
```

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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