

# Converting Colors

$Y_{xy}(46.9955, 0.3120, 0.2705)$

Have a look what the booklet for  
Yxy(46.9955, 0.3120, 0.2705)  
contains.

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# Color

**Yxy(46.9955, 0.3120, 0.2705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6A7DA
RGB	214, 167, 218
RGB Percent	84%, 65%, 85%
CMY	0.1607, 0.3451, 0.1451
CMYK	0.02, 0.23, 0.00, 0.15
HSL	295°, 41%, 75%
HSV	295°, 23%, 85%
XYZ	54.2055, 46.9955, 72.5346
YIQ	186.8670, 11.6410, 25.8250

# Conversions

## Conversions Part 2

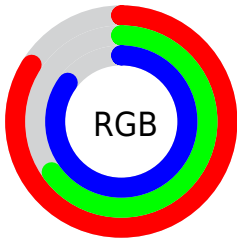
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 167, 218
Decimal	14067674
CIE <sub>Lab</sub>	74.19, 25.90, -19.18
CIE <sub>LCh</sub>	74, 32.231, 323.485
Yxy	46.9955, 0.3120, 0.2705
Android (android.graphics.Color)	4292257754 (0xFFD6A7DA)
YUV	186.8670, 15.3486, 23.7956
Hunter-Lab	68.5533, 21.1729, -14.7461

# Details

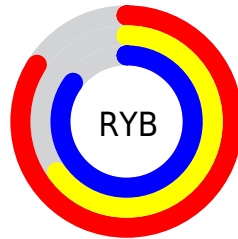
The Yxy color **46.9955, 0.3120, 0.2705** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **61.5824, 0.3125, 0.3940**, and the grayscale version is **49.5235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **22.2767, 0.3114, 0.2565** is the 20% darker color. If you saturate the color by 10%, you get **39.4177, 0.3113, 0.2452**, and if you desaturate by 10%, it is **55.9263, 0.3124, 0.2959**.

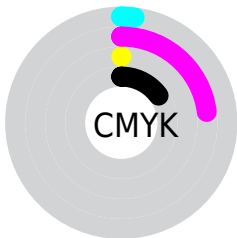
# Distribution



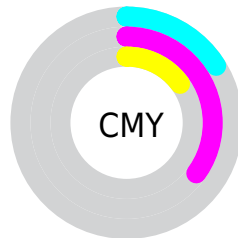
- Red (84%)
- Green (65%)
- Blue (85%)



- Red (84%)
- Yellow (65%)
- Blue (85%)



- Cyan (2%)
- Magenta (23%)
- Yellow (0%)
- Black (15%)




- Cyan (16%)
- Magenta (35%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9955, 0.3120, 0.2705 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 46.9955, 0.3120, 0.2705 by changing the saturation by 10% instead.





 46.9955, 0.3120,  
0.2705

 46.9955, 0.3120,  
0.2705


374.7966, 0.3129,  
0.2983

 33.0321, 0.3116,  
0.2640


 85.7069, 0.3124,  
0.2803

 22.1510, 0.3111,  
0.2558


 111.2237, 0.3126,  
0.2841

 13.9679, 0.3103,  
0.2454


141.3604, 0.3127,  
0.2873

 8.0984, 0.3089,  
0.2315

176.5014, 0.3127,  
0.2901

 4.1579, 0.3065,  
0.2123

217.0312, 0.3128,  
0.2925

 1.7623, 0.3018,  
0.1842

263.3340, 0.3128,

 0.4635, 0.2959,

0.2947

315.7943, 0.3129,  
0.2966

0.1253

0.0000, 0.0313,  
0.0000

0.0000, 0.0000,  
0.0000

46.9955, 0.3120,  
0.2705

46.9955, 0.3120,  
0.2705

39.4177, 0.3113,  
0.2452

55.9263, 0.3124,  
0.2959

33.1192, 0.3104,  
0.2209

66.2666, 0.3127,  
0.3208

28.0288, 0.3093,  
0.1987

78.0772, 0.3127,  
0.3446

24.0657, 0.3078,  
0.1794

91.4137, 0.3127,  
0.3668

■ 21.1395, 0.3062,  
0.1639

■ 92.1922, 0.3137,  
0.3675

■ 19.1456, 0.3044,  
0.1528

■ 92.4629, 0.3148,  
0.3674

■ 17.9576, 0.3025,  
0.1460

■ 92.7364, 0.3158,  
0.3673

■ 17.4760, 0.3012,  
0.1433

■ 93.0126, 0.3169,  
0.3671

■ 93.2915, 0.3180,  
0.3670

# Harmonies

## Analogous

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



46.9955, 0.2698, 0.2575



46.9955, 0.3120, 0.2705



46.9955, 0.3574, 0.2965

# Triad

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



46.9955, 0.3120, 0.2705



46.9955, 0.3875, 0.3964



46.9955, 0.2394, 0.3194

# Complementary

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



46.9955, 0.3120, 0.2705



61.5824, 0.3125, 0.3940

# 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.



46.9955, 0.2672, 0.3639



46.9955, 0.3120, 0.2705



46.9955, 0.3525, 0.4102

# Square

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



46.9955, 0.3120, 0.2705



46.9955, 0.4025, 0.3665



46.9955, 0.3083, 0.3990



46.9955, 0.2303, 0.2821



# Rectangle

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



46.9955, 0.3120, 0.2705



46.9955, 0.3822, 0.3187



46.9955, 0.3083, 0.3990



46.9955, 0.2468, 0.3341

# Sweetspot

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



46.9975, 0.3120, 0.2705



88.8721, 0.3126, 0.3118



42.4983, 0.2735, 0.2691



18.8273, 0.3126, 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.



46.9975, 0.3120, 0.2705



61.5537, 0.3117, 0.2581



46.5617, 0.3336, 0.2943



13.2205, 0.3126, 0.3059



10.4929, 0.3015, 0.1434



0.6955, 0.3048, 0.1453



# Inverse Universe

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



45.4817, 0.3571, 0.3244



59.0566, 0.3696, 0.3233



61.9938, 0.2962, 0.3665



13.0679, 0.3279, 0.3272



8.9604, 0.6311, 0.3250

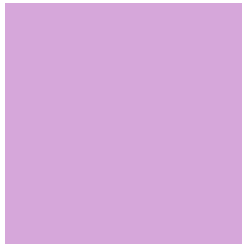


0.5864, 0.6061, 0.3112



# Previews

## White Background



This preview shows how the Yxy color 46.9955, 0.3120, 0.2705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

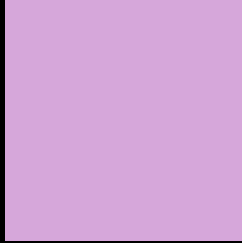
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.9955, 0.3120, 0.2705 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

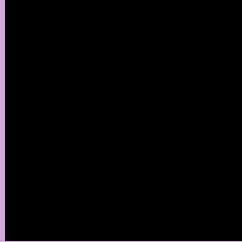
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.9955, 0.3120, 0.2705**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.9955, 0.3120, 0.2705.



This preview shows how white text looks on a background with the Yxy color 46.9955, 0.3120, 0.2705.

# 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

46.9955, 0.3120, 0.2705

### Protanopia

47.3071, 0.2709, 0.2708

### Deuteranopia

46.9890, 0.2887, 0.2821



## Tritanopia

46.9876, 0.3341, 0.3133

# Trichromacy



## Original Color

46.9955, 0.3120, 0.2705

## Protanomaly

46.9973, 0.2852, 0.2709

## Deuteranomaly

46.8840, 0.2967, 0.2773

## Tritanomaly

47.0519, 0.3258, 0.2969

# Monochromacy



## Original Color

46.9955, 0.3120, 0.2705

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

48.5901, 0.3129, 0.3069

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.9955, 0.3120, 0.2705 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(214, 167, 218)` looks like.

```
.text, #text, p{  
    color:rgb(214, 167, 218)  
}
```

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(214, 167, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 167, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9955, 0.3120, 0.2705 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(214, 167, 218) }
```

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

```
.border{ border-color:rgb(214, 167, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 167, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 167, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 167, 218);  
box-shadow:4px 4px 4px 4px rgb(214, 167,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9955, 0.3120, 0.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 167, 218) }
```

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

```
.background{ background-color: rgb(214,  
167, 218) }
```

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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