

Converting Colors

$Yxy(46.7668, 0.3167, 0.2997)$

Have a look what the booklet for
Yxy(46.7668, 0.3167, 0.2997)
contains.

Yxy(46.7668, 0.3167, 0.2997)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.7668, 0.3167, 0.2997)

Conversions

Conversions Part 1

Format	Color
Hex	C9AEC6
RGB	201, 174, 198
RGB Percent	79%, 68%, 78%
CMY	0.2117, 0.3176, 0.2235
CMYK	0.00, 0.13, 0.01, 0.21
HSL	307°, 20%, 74%
HSV	307°, 13%, 79%
XYZ	49.4196, 46.7668, 59.8590
YIQ	184.8090, 8.3880, 13.1880

Conversions

Conversions Part 2

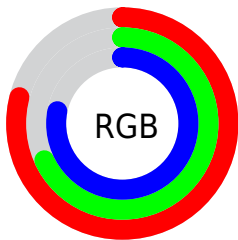
Format	Color
R _Y B	201, 174, 198
Decimal	13217478
CIE Lab	74.04, 13.95, -8.60
CIE LCh	74, 16.391, 328.361
Yxy	46.7668, 0.3167, 0.2997
Android (android.graphics.Color)	4291407558 (0xFFC9AEC6)
YUV	184.8090, 6.5032, 14.1995
Hunter-Lab	68.3863, 9.3177, -4.0266

Details

The Yxy color $46.7668, 0.3167, 0.2997$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $53.9499, 0.3090, 0.3602$, and the grayscale version is $48.3657, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.0736, 0.3138, 0.3048$, and $22.1357, 0.3180, 0.2930$ is the 20% darker color. If you saturate the color by 10%, you get $39.4727, 0.3201, 0.2773$, and if you desaturate by 10%, it is $55.2287, 0.3137, 0.3217$.

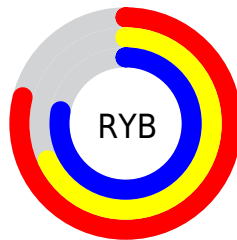
Distribution



Red (79%)

Green (68%)

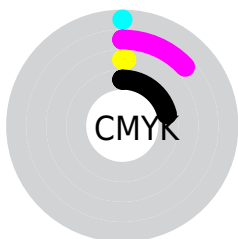
Blue (78%)



Red (79%)

Yellow (68%)

Blue (78%)

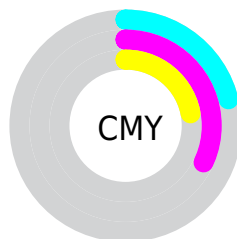


Cyan (0%)

Magenta (13%)

Yellow (1%)

Black (21%)



Cyan (21%)


Magenta (32%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7668, 0.3167, 0.2997 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 46.7668, 0.3167, 0.2997 by changing the saturation by 10% instead.


 46.7668, 0.3167,
0.2997

 46.7668, 0.3167,
0.2997

373.8829, 0.3149,
0.3140

 32.8513, 0.3171,
0.2962


 85.3654, 0.3161,
0.3048

 22.0126, 0.3176,
0.2918


110.8174, 0.3158,
0.3068

 13.8661, 0.3183,
0.2860


140.8836, 0.3156,
0.3084

 8.0276, 0.3191,
0.2782

175.9485, 0.3154,
0.3099

 4.1126, 0.3202,
0.2668

216.3965, 0.3152,
0.3111

 1.7368, 0.3216,
0.2489

262.6120, 0.3151,

 0.4473, 0.3320,

0.3122

0.1939

314.9793, 0.3150,
0.3132

0.0000, 0.0000,
0.0000

46.7668, 0.3167,
0.2997

46.7668, 0.3167,
0.2997

39.4727, 0.3201,
0.2773

55.2287, 0.3137,
0.3217

33.2888, 0.3238,
0.2550

64.9004, 0.3110,
0.3427

28.1619, 0.3279,
0.2337

75.8297, 0.3087,
0.3625

24.0318, 0.3321,
0.2142

88.0596, 0.3067,
0.3809

20.8325, 0.3365,
0.1976

88.5493, 0.3055,
0.3789

■ 18.4898, 0.3408,
0.1848

■ 88.6604, 0.3042,
0.3764

■ 16.9186, 0.3449,
0.1761

■ 88.7730, 0.3030,
0.3739

■ 16.0157, 0.3487,
0.1719

■ 88.8872, 0.3018,
0.3714

■ 15.6636, 0.3511,
0.1708

■ 89.0030, 0.3006,
0.3690

Harmonies

Analogous

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



46.7668, 0.2941, 0.2915



46.7668, 0.3167, 0.2997



46.7668, 0.3389, 0.3150

Triad

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



46.7668, 0.3167, 0.2997



46.7668, 0.3490, 0.3659



46.7668, 0.2728, 0.3216

Complementary

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



46.7668, 0.3167, 0.2997



53.9499, 0.3090, 0.3602

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.



46.7668, 0.2866, 0.3432



46.7668, 0.3167, 0.2997



46.7668, 0.3304, 0.3694

Square

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



46.7668, 0.3167, 0.2997



46.7668, 0.3579, 0.3526



46.7668, 0.3075, 0.3611



46.7668, 0.2694, 0.3032

Rectangle

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



46.7668, 0.3167, 0.2997



46.7668, 0.3503, 0.3275



46.7668, 0.3075, 0.3611



46.7668, 0.2764, 0.3288

Sweetspot

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



46.7688, 0.3167, 0.2997



93.5914, 0.3138, 0.3203



43.8015, 0.2937, 0.2941



19.7826, 0.3141, 0.3187



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.



46.7688, 0.3167, 0.2997



76.3869, 0.3176, 0.2935



46.1852, 0.3278, 0.3156



10.7956, 0.3154, 0.3087



9.8562, 0.3506, 0.1705



0.4726, 0.3436, 0.1667

Inverse Universe

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



46.7688, 0.3167, 0.2997



76.3869, 0.3176, 0.2935



54.5026, 0.2997, 0.3428



10.7956, 0.3154, 0.3087



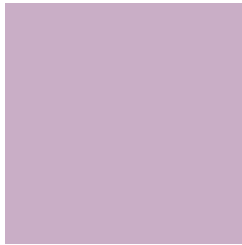
9.8562, 0.3506, 0.1705



0.4726, 0.3436, 0.1667

Previews

White Background



This preview shows how the Yxy color 46.7668, 0.3167, 0.2997 looks on a white background.

Color Contrast Check

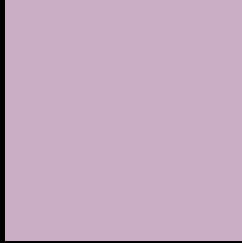
Large Text (above 18pt) WCAG AA × Fail

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 46.7668, 0.3167, 0.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

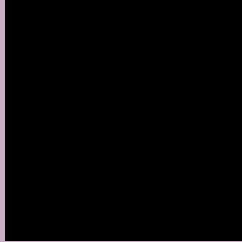
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7668, 0.3167, 0.2997

Background



This preview shows how black text looks on a background with the Yxy color 46.7668, 0.3167, 0.2997.



This preview shows how white text looks on a background with the Yxy color 46.7668, 0.3167, 0.2997.

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

46.7668, 0.3167, 0.2997

Protanopia

46.8957, 0.2950, 0.3022

Deuteranopia

46.8130, 0.3105, 0.3041



Tritanopia

46.6134, 0.3232, 0.3117

Trichromacy



Original Color

46.7668, 0.3167, 0.2997

Protanomaly

46.6226, 0.3022, 0.3001

Deuteranomaly

46.8176, 0.3131, 0.3030

Tritanomaly

46.7451, 0.3207, 0.3081

Monochromacy



Original Color

46.7668, 0.3167, 0.2997

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.8418, 0.3141, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7668, 0.3167, 0.2997 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(201, 174, 198)` looks like.

```
.text, #text, p{  
    color:rgb(201, 174, 198)  
}
```

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(201, 174, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 174, 198) }
```

Border

The CSS property to change the border of an element to Yxy 46.7668, 0.3167, 0.2997 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(201, 174, 198) }
```

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

```
.border{ border-color:rgb(201, 174, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 174, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 174, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 174, 198);  
box-shadow:4px 4px 4px 4px rgb(201, 174,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7668, 0.3167, 0.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 174, 198) }
```

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

```
.background{ background-color: rgb(201,  
174, 198) }
```

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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