

Converting Colors

$Y_{xy}(44.9112, 0.3159, 0.2850)$

Have a look what the booklet for
Yxy(44.9112, 0.3159, 0.2850)
contains.

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Color

Yxy(44.9762, 0.3157, 0.2846)

Conversions

Conversions Part 1

Format	Color
Hex	CDA7CC
RGB	205, 167, 204
RGB Percent	80%, 65%, 80%
CMY	0.1961, 0.3451, 0.2001
CMYK	0.00, 0.19, 0.00, 0.20
HSL	302°, 28%, 73%
HSV	302°, 19%, 80%
XYZ	49.8910, 44.9762, 63.1658
YIQ	182.5800, 10.7710, 19.5630

Conversions

Conversions Part 2

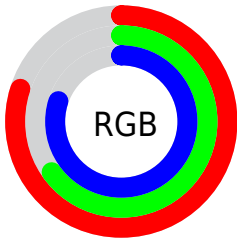
Format	Color
R _{YB}	205, 167, 204
Decimal	13477836
CIE _{Lab}	72.88, 20.25, -13.57
CIE _{LCh}	73, 24.373, 326.172
Yxy	44.9762, 0.3157, 0.2846
Android (android.graphics.Color)	4291667916 (0xFFCDA7CC)
YUV	182.5800, 10.5601, 19.6623
Hunter-Lab	67.0643, 15.4287, -8.8984

Details

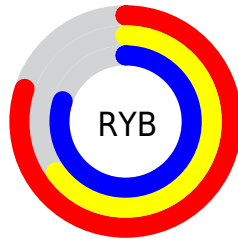
The Yxy color $44.9762, 0.3157, 0.2846$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $54.7040, 0.3097, 0.3778$, and the grayscale version is $47.0492, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7226, 0.3142, 0.2970$, and $20.9475, 0.3154, 0.2728$ is the 20% darker color. If you saturate the color by 10%, you get $38.0264, 0.3174, 0.2604$, and if you desaturate by 10%, it is $53.1205, 0.3140, 0.3088$.

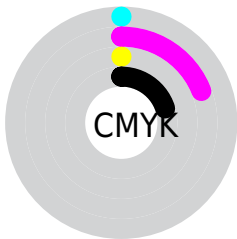
Distribution



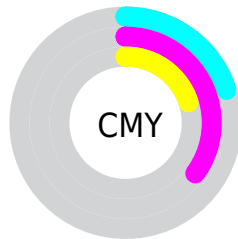
- Red (80%)
- Green (65%)
- Blue (80%)



- Red (80%)
- Yellow (65%)
- Blue (80%)



- Cyan (0%)
- Magenta (19%)
- Yellow (0%)
- Black (20%)




- Cyan (20%)
- Magenta (35%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9762, 0.3157, 0.2846 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 44.9762, 0.3157, 0.2846 by changing the saturation by 10% instead.


 44.9762, 0.3157,
0.2846

 44.9762, 0.3157,
0.2846


366.6772, 0.3145,
0.3062

 31.4387, 0.3159,
0.2794


 82.6847, 0.3153,
0.2923

 20.9331, 0.3161,
0.2729


 107.6245, 0.3152,
0.2952

 13.0751, 0.3163,
0.2643


137.1338, 0.3150,
0.2977

 7.4803, 0.3164,
0.2528

171.5970, 0.3149,
0.2999

 3.7642, 0.3163,
0.2363

211.3986, 0.3148,
0.3017

 1.5426, 0.3153,
0.2111

256.9228, 0.3147,

 0.3184, 0.3253,

0.3034

0.1300

308.5542, 0.3146,
0.3049

■ 0.0000, 0.0000,
0.0000

■ 44.9762, 0.3157,
0.2846

■ 44.9762, 0.3157,
0.2846

■ 38.0264, 0.3174,
0.2604

■ 53.1205, 0.3140,
0.3088

■ 32.2094, 0.3192,
0.2369

■ 62.5057, 0.3125,
0.3324

■ 27.4665, 0.3210,
0.2151

■ 73.1829, 0.3111,
0.3549

■ 23.7318, 0.3226,
0.1960

■ 85.1986, 0.3098,
0.3759

■ 20.9320, 0.3242,
0.1804

■ 88.9891, 0.3092,
0.3813

■ 18.9837, 0.3255,
0.1689

■ 89.0158, 0.3089,
0.3807

■ 17.7891, 0.3267,
0.1617

■ 89.0426, 0.3086,
0.3801

■ 17.1956, 0.3276,
0.1583

■ 89.0695, 0.3083,
0.3795

■ 17.1263, 0.3277,
0.1579

■ 89.0965, 0.3080,
0.3789

Harmonies

Analogous

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



44.9762, 0.2824, 0.2734



44.9762, 0.3157, 0.2846



44.9762, 0.3499, 0.3061

Triad

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



44.9762, 0.3157, 0.2846



44.9762, 0.3687, 0.3830



44.9762, 0.2545, 0.3194

Complementary

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



44.9762, 0.3157, 0.2846



54.7040, 0.3097, 0.3778

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.



44.9762, 0.2754, 0.3527



44.9762, 0.3157, 0.2846



44.9762, 0.3411, 0.3908

Square

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



44.9762, 0.3157, 0.2846



44.9762, 0.3813, 0.3614



44.9762, 0.3068, 0.3799



44.9762, 0.2485, 0.2913

Rectangle

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



44.9762, 0.3157, 0.2846



44.9762, 0.3680, 0.3240



44.9762, 0.3068, 0.3799



44.9762, 0.2599, 0.3304

Sweetspot

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



44.9782, 0.3157, 0.2846



90.5974, 0.3137, 0.3147



40.3345, 0.2829, 0.2789



19.1824, 0.3138, 0.3131



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.



44.9782, 0.3157, 0.2846



69.1849, 0.3163, 0.2755



44.1378, 0.3318, 0.3064



11.3984, 0.3142, 0.3068



10.6650, 0.3276, 0.1578



0.5519, 0.3262, 0.1571

Inverse Universe

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



44.9782, 0.3157, 0.2846



69.1849, 0.3163, 0.2755



55.4482, 0.2971, 0.3527



11.3984, 0.3142, 0.3068



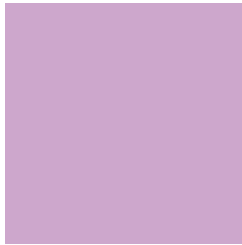
10.6650, 0.3276, 0.1578



0.5519, 0.3262, 0.1571

Previews

White Background



This preview shows how the Yxy color 44.9762, 0.3157, 0.2846 looks on a white background.

Color Contrast Check

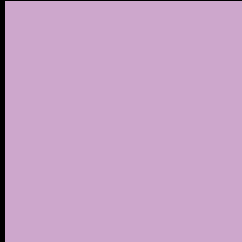
Large Text (above 18pt) WCAG AA × Fail

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 44.9762, 0.3157, 0.2846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

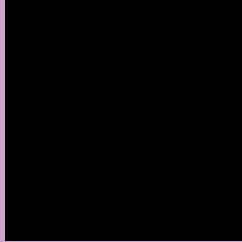
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9762, 0.3157, 0.2846

Background



This preview shows how black text looks on a background with the Yxy color 44.9762, 0.3157, 0.2846.



This preview shows how white text looks on a background with the Yxy color 44.9762, 0.3157, 0.2846.

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

44.9762, 0.3157, 0.2846

Protanopia

45.3146, 0.2828, 0.2868

Deuteranopia

44.8982, 0.2990, 0.2924



Tritanopia

45.1431, 0.3297, 0.3129

Trichromacy



Original Color

44.9762, 0.3157, 0.2846

Protanomaly

45.0165, 0.2944, 0.2863

Deuteranomaly

44.6441, 0.3050, 0.2892

Tritanomaly

45.2075, 0.3247, 0.3032

Monochromacy



Original Color

44.9762, 0.3157, 0.2846

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.2822, 0.3135, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9762, 0.3157, 0.2846 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(205, 167, 204)` looks like.

```
.text, #text, p{  
    color:rgb(205, 167, 204)  
}
```

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(205, 167, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 167, 204) }
```

Border

The CSS property to change the border of an element to Yxy 44.9762, 0.3157, 0.2846 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(205, 167, 204) }
```

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

```
.border{ border-color:rgb(205, 167, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 167, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 167, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 167, 204);  
box-shadow:4px 4px 4px 4px rgb(205, 167,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9762, 0.3157, 0.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 167, 204) }
```

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

```
.background{ background-color: rgb(205,  
167, 204) }
```

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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