

Converting Colors

$Y_{xy}(45.2307, 0.3052, 0.2838)$

Have a look what the booklet for
Yxy(45.2307, 0.3052, 0.2838)
contains.

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Color

Yxy(44.9902, 0.3053, 0.2837)

Conversions

Conversions Part 1

Format	Color
Hex	C4AACF
RGB	196, 170, 207
RGB Percent	77%, 67%, 81%
CMY	0.2311, 0.3334, 0.1881
CMYK	0.05, 0.18, 0.00, 0.19
HSL	282°, 28%, 74%
HSV	282°, 18%, 81%
XYZ	48.4156, 44.9902, 65.1779
YIQ	181.9920, 3.6190, 17.0190

Conversions

Conversions Part 2

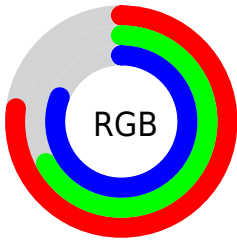
Format	Color
R_{YB}	196, 170, 207
Decimal	12888783
CIE _{Lab}	72.89, 16.19, -15.30
CIE _{LCh}	73, 22.280, 316.612
Yxy	44.9902, 0.3053, 0.2837
Android (android.graphics.Color)	4291078863 (0xFFC4AACF)
YUV	181.9920, 12.3289, 12.2850
Hunter-Lab	67.0747, 11.4633, -10.6610

Details

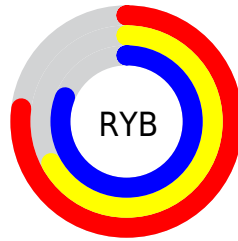
The Yxy color **44.9902, 0.3053, 0.2837** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.3554, 0.3188, 0.3761**, and the grayscale version is **46.7092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9531, 0.3127, 0.2998**, and **21.0076, 0.3023, 0.2716** is the 20% darker color. If you saturate the color by 10%, you get **37.0277, 0.3001, 0.2568**, and if you desaturate by 10%, it is **54.2123, 0.3097, 0.3096**.

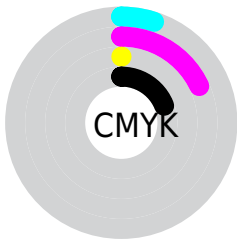
Distribution



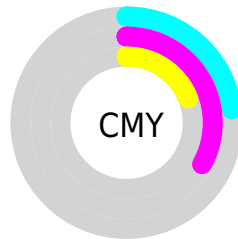
- Red (77%)
- Green (67%)
- Blue (81%)



- Red (77%)
- Yellow (67%)
- Blue (81%)



- Cyan (5%)
- Magenta (18%)
- Yellow (0%)
- Black (19%)




- Cyan (23%)
- Magenta (33%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9902, 0.3053, 0.2837 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 44.9902, 0.3053, 0.2837 by changing the saturation by 10% instead.


 44.9902, 0.3053,
0.2837

 44.9902, 0.3053,
0.2837


366.7339, 0.3093,
0.3057

 31.4497, 0.3042,
0.2784


 82.7057, 0.3068,
0.2916

 20.9415, 0.3028,
0.2717


107.6495, 0.3074,
0.2946

 13.0813, 0.3008,
0.2629


137.1632, 0.3078,
0.2971

 7.4845, 0.2980,
0.2511

171.6312, 0.3082,
0.2993

 3.7669, 0.2935,
0.2341

211.4378, 0.3085,
0.3012

 1.5441, 0.2855,
0.2081

256.9676, 0.3088,

 0.3194, 0.2783,

0.3029

0.1272

308.6048, 0.3091,
0.3044

0.0000, 0.0000,
0.0000

44.9902, 0.3053,
0.2837

44.9902, 0.3053,
0.2837

37.0277, 0.3001,
0.2568

54.2123, 0.3097,
0.3096

30.2615, 0.2940,
0.2295

64.7418, 0.3134,
0.3340

24.6316, 0.2873,
0.2027

76.6313, 0.3165,
0.3566

20.0703, 0.2798,
0.1777

89.9286, 0.3189,
0.3773

16.5025, 0.2720,
0.1556

92.3076, 0.3226,
0.3789

■ 13.8433, 0.2639,
0.1374

■ 93.3200, 0.3266,
0.3783

■ 11.9930, 0.2559,
0.1239

■ 94.3681, 0.3306,
0.3777

■ 10.8078, 0.2483,
0.1149

■ 95.4525, 0.3346,
0.3770

■ 10.5944, 0.2467,
0.1133

■ 96.5733, 0.3386,
0.3764

Harmonies

Analogous

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



44.9902, 0.2767, 0.2771



44.9902, 0.3053, 0.2837



44.9902, 0.3373, 0.3009

Triad

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



44.9902, 0.3053, 0.2837



44.9902, 0.3694, 0.3733



44.9902, 0.2641, 0.3300

Complementary

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



44.9902, 0.3053, 0.2837



57.3554, 0.3188, 0.3761

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.



44.9902, 0.2870, 0.3596



44.9902, 0.3053, 0.2837



44.9902, 0.3479, 0.3849

Square

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



44.9902, 0.3053, 0.2837



44.9902, 0.3754, 0.3511



44.9902, 0.3176, 0.3804



44.9902, 0.2539, 0.3019

Rectangle

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



44.9902, 0.3053, 0.2837



44.9902, 0.3560, 0.3165



44.9902, 0.3176, 0.3804



44.9902, 0.2705, 0.3402

Sweetspot

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



44.9921, 0.3053, 0.2837



91.4245, 0.3109, 0.3167



46.1358, 0.2843, 0.2955



19.3200, 0.3106, 0.3149



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.



44.9921, 0.3053, 0.2837



67.5805, 0.3036, 0.2747



46.1631, 0.3210, 0.2935



11.8261, 0.3091, 0.3058



6.7242, 0.2477, 0.1138



0.4159, 0.2616, 0.1215

Inverse Universe

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



45.3448, 0.3372, 0.3156



68.2687, 0.3429, 0.3129



56.3707, 0.3054, 0.3674



11.8650, 0.3245, 0.3221



8.5865, 0.5760, 0.2947



0.4940, 0.5228, 0.2654

Previews

White Background



This preview shows how the Yxy color 44.9902, 0.3053, 0.2837 looks on a white background.

Color Contrast Check

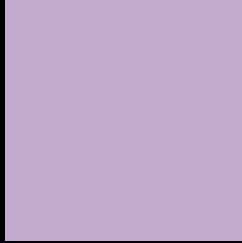
Large Text (above 18pt) WCAG AA × Fail

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 44.9902, 0.3053, 0.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

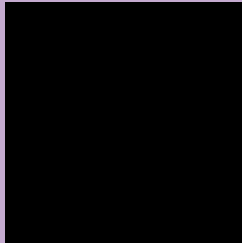
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9902, 0.3053, 0.2837

Background



This preview shows how black text looks on a background with the Yxy color 44.9902, 0.3053, 0.2837.



This preview shows how white text looks on a background with the Yxy color 44.9902, 0.3053, 0.2837.

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

44.9902, 0.3053, 0.2837

Protanopia

44.9684, 0.2820, 0.2842

Deuteranopia

45.1835, 0.2951, 0.2899



Tritanopia

44.8125, 0.3189, 0.3113

Trichromacy



Original Color

44.9902, 0.3053, 0.2837

Protanomaly

44.7490, 0.2905, 0.2836

Deuteranomaly

45.0347, 0.2992, 0.2878

Tritanomaly

44.8694, 0.3140, 0.3015

Monochromacy



Original Color

44.9902, 0.3053, 0.2837

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.1672, 0.3101, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9902, 0.3053, 0.2837 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(196, 170, 207)` looks like.

```
.text, #text, p{  
    color:rgb(196, 170, 207)  
}
```

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(196, 170, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 170, 207) }
```

Border

The CSS property to change the border of an element to Yxy 44.9902, 0.3053, 0.2837 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(196, 170, 207) }
```

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

```
.border{ border-color:rgb(196, 170, 207) }
```

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

Here you see how a box with a 4 pixel rgb(196, 170, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 170, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 170, 207);  
box-shadow:4px 4px 4px 4px rgb(196, 170,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9902, 0.3053, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 170, 207) }
```

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

```
.background{ background-color: rgb(196,  
170, 207) }
```

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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