

# Converting Colors

$Y_{xy}(42.5668, 0.3356, 0.3020)$

Have a look what the booklet for  
Yxy(42.5668, 0.3356, 0.3020)  
contains.

<b>Yxy(42.5668, 0.3356, 0.3020)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(42.5668, 0.3356, 0.3020)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFA2B8
RGB	207, 162, 184
RGB Percent	81%, 64%, 72%
CMY	0.1883, 0.3647, 0.2784
CMYK	0.00, 0.22, 0.11, 0.19
HSL	331°, 32%, 72%
HSV	331°, 22%, 81%
XYZ	47.3027, 42.5668, 51.0802
YIQ	177.9630, 19.7580, 16.3820

# Conversions

## Conversions Part 2

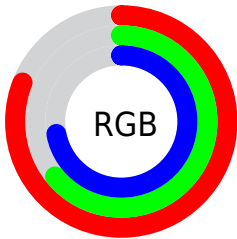
Format	Color
R <sub>Y</sub> B	207, 162, 184
Decimal	13607608
CIE Lab	71.26, 20.11, -4.96
CIE LCh	71, 20.716, 346.160
Yxy	42.5668, 0.3356, 0.3020
Android (android.graphics.Color)	4291797688 (0xFFCFA2B8)
YUV	177.9630, 2.9762, 25.4654
Hunter-Lab	65.2432, 15.2406, -0.7490

# Details

The Yxy color **42.5668, 0.3356, 0.3020** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **55.8032, 0.2946, 0.3577**, and the grayscale version is **44.4774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1770, 0.3246, 0.3063**, and **19.4660, 0.3421, 0.2944** is the 20% darker color. If you saturate the color by 10%, you get **35.4394, 0.3496, 0.2889**, and if you desaturate by 10%, it is **50.9314, 0.3239, 0.3148**.

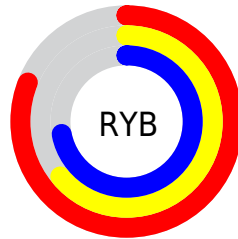
# Distribution



Red (81%)

Green (64%)

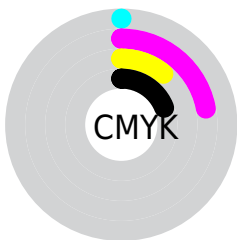
Blue (72%)



Red (81%)

Yellow (64%)

Blue (72%)

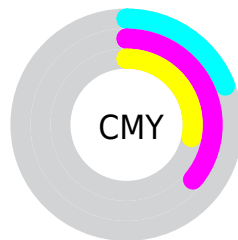


Cyan (0%)

Magenta (22%)

Yellow (11%)

Black (19%)



Cyan (19%)

Magenta (36%)


Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5668, 0.3356, 0.3020 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 42.5668, 0.3356, 0.3020 by changing the saturation by 10% instead.




 42.5668, 0.3356,  
0.3020

 42.5668, 0.3356,  
0.3020

356.8272, 0.3241,  
0.3154

 29.5454, 0.3385,  
0.2987


 79.0567, 0.3314,  
0.3069

 19.4938, 0.3422,  
0.2944


 103.2940, 0.3299,  
0.3087

 12.0276, 0.3471,  
0.2887


132.0387, 0.3285,  
0.3103

 6.7625, 0.3541,  
0.2809

165.6752, 0.3274,  
0.3116

 3.3140, 0.3645,  
0.2692

204.5879, 0.3264,  
0.3127

 1.2978, 0.3819,  
0.2501

249.1612, 0.3256,

 0.1395, 0.4944,

0.3138

0.1106

299.7795, 0.3248,  
0.3146

0.0000, 0.0000,  
0.0000

42.5668, 0.3356,  
0.3020

42.5668, 0.3356,  
0.3020

35.4394, 0.3496,  
0.2889

50.9314, 0.3239,  
0.3148

29.4840, 0.3662,  
0.2760

60.5828, 0.3142,  
0.3270

24.6382, 0.3855,  
0.2641

71.5749, 0.3062,  
0.3384

20.8316, 0.4074,  
0.2541

83.9568, 0.2996,  
0.3489

17.9851, 0.4315,  
0.2473

90.8901, 0.2939,  
0.3480

■ 16.0087, 0.4568,  
0.2450

■ 91.5259, 0.2883,  
0.3368

■ 14.7945, 0.4820,  
0.2481

■ 92.0035, 0.2844,  
0.3289

■ 14.2087, 0.5021,  
0.2540

# Harmonies

## Analogous

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



42.5668, 0.3053, 0.2858



42.5668, 0.3356, 0.3020



42.5668, 0.3605, 0.3249

# Triad

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



42.5668, 0.3356, 0.3020



42.5668, 0.3465, 0.3818



42.5668, 0.2569, 0.3037

# Complementary

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



42.5668, 0.3356, 0.3020



55.8032, 0.2946, 0.3577

# 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.



42.5668, 0.2668, 0.3304



42.5668, 0.3356, 0.3020



42.5668, 0.3179, 0.3777

# Square

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



42.5668, 0.3356, 0.3020



42.5668, 0.3666, 0.3709



42.5668, 0.2888, 0.3583



42.5668, 0.2610, 0.2857



# Rectangle

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



42.5668, 0.3356, 0.3020



42.5668, 0.3699, 0.3416



42.5668, 0.2888, 0.3583



42.5668, 0.2587, 0.3120

# Sweetspot

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



42.5687, 0.3356, 0.3020



88.5620, 0.3192, 0.3205



40.6000, 0.2954, 0.2721



18.7555, 0.3198, 0.3198



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.



42.5687, 0.3356, 0.3020



62.7544, 0.3417, 0.2960



41.7162, 0.3564, 0.3291



11.9033, 0.3215, 0.3177



8.9725, 0.4990, 0.2522



0.5177, 0.4577, 0.2295



# Inverse Universe

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



42.5687, 0.3356, 0.3020



62.7544, 0.3417, 0.2960



56.8058, 0.2807, 0.3289



11.9033, 0.3215, 0.3177



8.9725, 0.4990, 0.2522



0.5177, 0.4577, 0.2295



# Previews

## White Background



This preview shows how the Yxy color 42.5668, 0.3356, 0.3020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

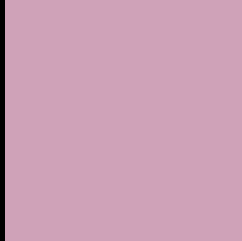
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.5668, 0.3356, 0.3020 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

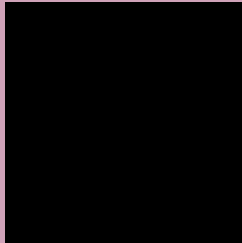
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.5668, 0.3356, 0.3020**

## Background



This preview shows how black text looks on a background with the Yxy color 42.5668, 0.3356, 0.3020.



This preview shows how white text looks on a background with the Yxy color 42.5668, 0.3356, 0.3020.

# 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

42.5668, 0.3356, 0.3020

### Protanopia

42.9179, 0.2982, 0.3064

### Deuteranopia

42.8597, 0.3180, 0.3122



## Tritanopia

42.4508, 0.3419, 0.3129

# Trichromacy



## Original Color

42.5668, 0.3356, 0.3020

## Protanomaly

42.6946, 0.3111, 0.3057

## Deuteranomaly

42.6584, 0.3247, 0.3087

## Tritanomaly

42.5709, 0.3391, 0.3092

# Monochromacy



## Original Color

42.5668, 0.3356, 0.3020

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

43.6192, 0.3213, 0.3187

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.5668, 0.3356, 0.3020 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(207, 162, 184)` looks like.

```
.text, #text, p{  
    color:rgb(207, 162, 184)  
}
```

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(207, 162, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 162, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 42.5668, 0.3356, 0.3020 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(207, 162, 184) }
```

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

```
.border{ border-color:rgb(207, 162, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 162, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 162, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 162, 184);  
box-shadow:4px 4px 4px 4px rgb(207, 162,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.5668, 0.3356, 0.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 162, 184) }
```

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

```
.background{ background-color: rgb(207,  
162, 184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor