

# Converting Colors

$Yxy(48.2942, 0.3361, 0.3353)$

Have a look what the booklet for  
Yxy(48.2942, 0.3361, 0.3353)  
contains.

<b>Yxy(48.2942, 0.3361, 0.3353)</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(48.2942, 0.3361, 0.3353)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAB4AF
RGB	202, 180, 175
RGB Percent	79%, 71%, 69%
CMY	0.2080, 0.2941, 0.3137
CMYK	0.00, 0.11, 0.13, 0.21
HSL	11°, 20%, 74%
HSV	11°, 13%, 79%
XYZ	48.4094, 48.2942, 47.3292
YIQ	186.0080, 14.7170, 3.1090

# Conversions

## Conversions Part 2

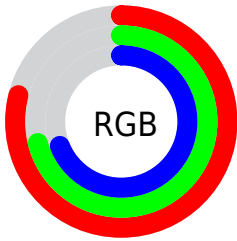
Format	Color
R <sub>Y</sub> B	202, 181, 175
Decimal	13284527
CIE Lab	75.01, 7.02, 5.41
CIE LCh	75, 8.861, 37.643
Yxy	48.2942, 0.3361, 0.3353
Android (android.graphics.Color)	4291474607 (0xFFCAB4AF)
YUV	186.0080, -5.4269, 14.0250
Hunter-Lab	69.4940, 2.7283, 8.2661

# Details

The Yxy color  $48.2942, 0.3361, 0.3353$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $53.2884, 0.2924, 0.3226$ , and the grayscale version is  $49.1316, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.9641, 0.3294, 0.3350$ , and  $22.9047, 0.3427, 0.3358$  is the 20% darker color. If you saturate the color by 10%, you get  $41.3109, 0.3580, 0.3404$ , and if you desaturate by 10%, it is  $56.1880, 0.3180, 0.3305$ .

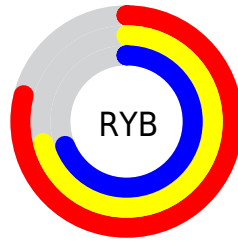
# Distribution



Red (79%)

Green (71%)

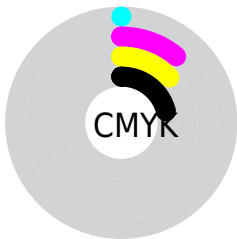
Blue (69%)



Red (79%)

Yellow (71%)

Blue (69%)

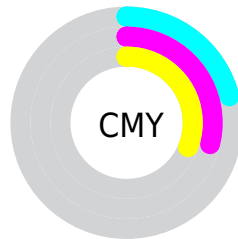


Cyan (0%)

Magenta (11%)

Yellow (13%)

Black (21%)



Cyan (21%)

Magenta (29%)


Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2942, 0.3361, 0.3353 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 48.2942, 0.3361, 0.3353 by changing the saturation by 10% instead.




 48.2942, 0.3361,  
0.3353

 48.2942, 0.3361,  
0.3353

379.9571, 0.3244,  
0.3323

 34.0599, 0.3390,  
0.3360


 87.6423, 0.3319,  
0.3342

 22.9396, 0.3428,  
0.3369


113.5249, 0.3303,  
0.3338

 14.5489, 0.3477,  
0.3381


144.0590, 0.3289,  
0.3335

 8.5034, 0.3547,  
0.3396

179.6291, 0.3278,  
0.3332

 4.4187, 0.3651,  
0.3418

220.6196, 0.3268,  
0.3329

 1.9105, 0.3823,  
0.3450

267.4148, 0.3259,

 0.5547, 0.4723,

0.3327

0.3751

320.3992, 0.3251,  
0.3325

0.0000, 0.0000,  
0.0000

48.2942, 0.3361,  
0.3353

48.2942, 0.3361,  
0.3353

41.3109, 0.3580,  
0.3404

56.1880, 0.3180,  
0.3305

35.1990, 0.3843,  
0.3456

65.0169, 0.3031,  
0.3261

29.9260, 0.4157,  
0.3506

74.8124, 0.2908,  
0.3221

25.4549, 0.4521,  
0.3549

85.5518, 0.2809,  
0.3192

21.7459, 0.4925,  
0.3578

91.2918, 0.2816,  
0.3289

■ 18.7559, 0.5345,  
0.3583

■ 16.4370, 0.5738,  
0.3557

■ 14.7356, 0.6053,  
0.3498

■ 13.9093, 0.6210,  
0.3451

# Harmonies

## Analogous

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



48.2942, 0.3298, 0.3247



48.2942, 0.3361, 0.3353



48.2942, 0.3360, 0.3446

# Triad

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



48.2942, 0.3361, 0.3353



48.2942, 0.3063, 0.3434



48.2942, 0.2959, 0.3085

# Complementary

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



48.2942, 0.3361, 0.3353



53.2884, 0.2924, 0.3226

# 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.



48.2942, 0.2899, 0.3130



48.2942, 0.3361, 0.3353



48.2942, 0.2959, 0.3332

# Square

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



48.2942, 0.3361, 0.3353



48.2942, 0.3187, 0.3495



48.2942, 0.2899, 0.3220



48.2942, 0.3064, 0.3094



# Rectangle

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



48.2942, 0.3361, 0.3353



48.2942, 0.3323, 0.3487



48.2942, 0.2899, 0.3220



48.2942, 0.2933, 0.3094

# Sweetspot

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



48.2963, 0.3361, 0.3353



94.1763, 0.3192, 0.3308



47.2456, 0.3183, 0.3022



19.9294, 0.3205, 0.3312



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

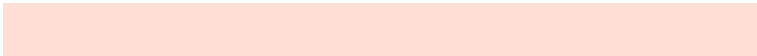


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.2963, 0.3361, 0.3353



78.2538, 0.3420, 0.3367



53.9765, 0.3339, 0.3516



11.5455, 0.3285, 0.3334



9.0503, 0.6190, 0.3467



0.5712, 0.5825, 0.3757



# Inverse Universe

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



53.2884, 0.2924, 0.3226



88.3217, 0.2881, 0.3211



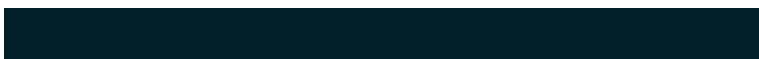
47.4681, 0.2919, 0.3053



12.3586, 0.2983, 0.3246



20.0538, 0.2080, 0.2689



1.1288, 0.2116, 0.2819



# Previews

## White Background



This preview shows how the Yxy color 48.2942, 0.3361, 0.3353 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

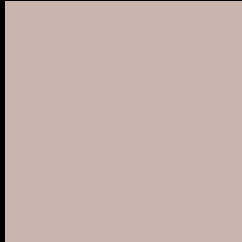
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.2942, 0.3361, 0.3353 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

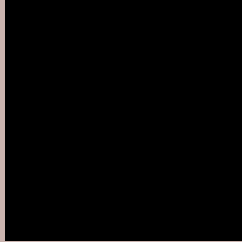
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.2942, 0.3361, 0.3353**

## Background



This preview shows how black text looks on a background with the Yxy color 48.2942, 0.3361, 0.3353.



This preview shows how white text looks on a background with the Yxy color 48.2942, 0.3361, 0.3353.

# 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

48.2942, 0.3361, 0.3353

### Protanopia

48.4025, 0.3234, 0.3380

### Deuteranopia

48.0577, 0.3401, 0.3328



## Tritanopia

48.4397, 0.3248, 0.3132

# Trichromacy



## Original Color

48.2942, 0.3361, 0.3353

## Protanomaly

48.4709, 0.3278, 0.3379

## Deuteranomaly

48.3145, 0.3390, 0.3340

## Tritanomaly

48.4395, 0.3288, 0.3217

# Monochromacy



## Original Color

48.2942, 0.3361, 0.3353

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

48.8648, 0.3211, 0.3316

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2942, 0.3361, 0.3353 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(202, 180, 175)` looks like.

```
.text, #text, p{  
    color:rgb(202, 180, 175)  
}
```

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(202, 180, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 180, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2942, 0.3361, 0.3353 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(202, 180, 175) }
```

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

```
.border{ border-color:rgb(202, 180, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 180, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 180, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 180, 175);  
box-shadow:4px 4px 4px 4px rgb(202, 180,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2942, 0.3361, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 180, 175) }
```

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

```
.background{ background-color: rgb(202,  
180, 175) }
```

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