

Converting Colors

$Y_{xy}(41.8312, 0.3437, 0.3190)$

Have a look what the booklet for
Yxy(41.8312, 0.3437, 0.3190)
contains.

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Color

Yxy(41.8312, 0.3437, 0.3190)

Conversions

Conversions Part 1

Format	Color
Hex	CBA3AB
RGB	203, 163, 171
RGB Percent	80%, 64%, 67%
CMY	0.2041, 0.3607, 0.3294
CMYK	0.00, 0.20, 0.16, 0.20
HSL	348°, 28%, 72%
HSV	348°, 20%, 80%
XYZ	45.0702, 41.8312, 44.2309
YIQ	175.8720, 21.2720, 10.9680

Conversions

Conversions Part 2

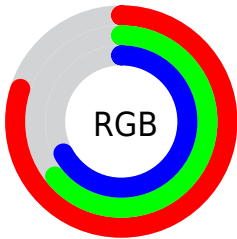
Format	Color
R _Y B	203, 163, 171
Decimal	13345707
CIE Lab	70.75, 15.96, 1.45
CIE LCh	71, 16.025, 5.209
Yxy	41.8312, 0.3437, 0.3190
Android (android.graphics.Color)	4291535787 (0xFFCBA3AB)
YUV	175.8720, -2.4019, 23.7913
Hunter-Lab	64.6770, 11.2028, 4.7271

Details

The Yxy color $41.8312, 0.3437, 0.3190$ is a light color, and the websafe version is hex `CC9999`. A complement of this color would be $54.4233, 0.2887, 0.3393$, and the grayscale version is $43.3503, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.8938, 0.3342, 0.3210$, and $18.9967, 0.3525, 0.3154$ is the 20% darker color. If you saturate the color by 10%, you get $34.6120, 0.3651, 0.3136$, and if you desaturate by 10%, it is $50.2870, 0.3263, 0.3242$.

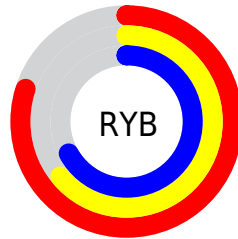
Distribution



Red (80%)

Green (64%)

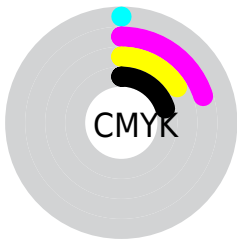
Blue (67%)



Red (80%)

Yellow (64%)

Blue (67%)

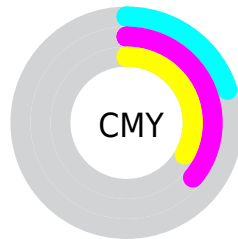


Cyan (0%)

Magenta (20%)

Yellow (16%)

Black (20%)



Cyan (20%)


Magenta (36%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8312, 0.3437, 0.3190 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 41.8312, 0.3437, 0.3190 by changing the saturation by 10% instead.


 41.8312, 0.3437,
0.3190

 41.8312, 0.3437,
0.3190


353.7827, 0.3279,
0.3242

 28.9691, 0.3478,
0.3177

 77.9441, 0.3379,
0.3209

 19.0575, 0.3530,
0.3159


 101.9637, 0.3357,
0.3216

 11.7118, 0.3602,
0.3135


130.4713, 0.3339,
0.3222

 6.5478, 0.3704,
0.3100

163.8513, 0.3323,
0.3227

 3.1809, 0.3861,
0.3046

202.4880, 0.3310,
0.3232

 1.2269, 0.4135,
0.2949

246.7659, 0.3298,

 0.0835, 0.8488,

0.3235

0.1512

297.0693, 0.3288,
0.3239

0.0000, 0.0000,
0.0000

41.8312, 0.3437,
0.3190

41.8312, 0.3437,
0.3190

34.6120, 0.3651,
0.3136

50.2870, 0.3263,
0.3242

28.5659, 0.3912,
0.3082

60.0276, 0.3123,
0.3292

23.6323, 0.4226,
0.3034

71.1058, 0.3009,
0.3337

19.7429, 0.4591,
0.2999

83.5696, 0.2917,
0.3378

16.8219, 0.4994,
0.2984

91.2522, 0.2836,
0.3318

■ 14.7831, 0.5406,
0.3000

■ 91.4318, 0.2821,
0.3289

■ 13.5249, 0.5782,
0.3051

■ 12.8667, 0.6080,
0.3125

■ 12.8491, 0.6088,
0.3127

Harmonies

Analogous

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



41.8312, 0.3222, 0.3023



41.8312, 0.3437, 0.3190



41.8312, 0.3569, 0.3386

Triad

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



41.8312, 0.3437, 0.3190



41.8312, 0.3255, 0.3691



41.8312, 0.2696, 0.2995

Complementary

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



41.8312, 0.3437, 0.3190



54.4233, 0.2887, 0.3393

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.



41.8312, 0.2705, 0.3167



41.8312, 0.3437, 0.3190



41.8312, 0.3022, 0.3581

Square

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



41.8312, 0.3437, 0.3190



41.8312, 0.3459, 0.3682



41.8312, 0.2822, 0.3384



41.8312, 0.2797, 0.2909

Rectangle

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



41.8312, 0.3437, 0.3190



41.8312, 0.3588, 0.3511



41.8312, 0.2822, 0.3384



41.8312, 0.2687, 0.3044

Sweetspot

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



41.8331, 0.3437, 0.3190



89.8603, 0.3209, 0.3261



42.0214, 0.3072, 0.2794



19.0081, 0.3219, 0.3257



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.



41.8331, 0.3437, 0.3190



64.2129, 0.3531, 0.3165



45.7390, 0.3486, 0.3434



11.2498, 0.3259, 0.3244



8.1907, 0.6057, 0.3111



0.4336, 0.5513, 0.2811

Inverse Universe

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



41.8331, 0.3437, 0.3190



64.2129, 0.3531, 0.3165



49.6433, 0.2826, 0.3142



11.2498, 0.3259, 0.3244



8.1907, 0.6057, 0.3111



0.4336, 0.5513, 0.2811

Previews

White Background



This preview shows how the Yxy color 41.8312, 0.3437, 0.3190 looks on a white background.

Color Contrast Check

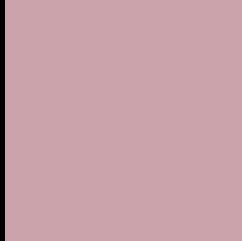
Large Text (above 18pt) WCAG AA × Fail

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 41.8312, 0.3437, 0.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

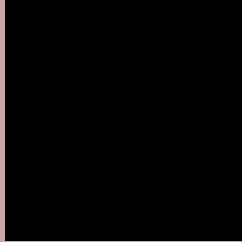
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8312, 0.3437, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 41.8312, 0.3437, 0.3190.



This preview shows how white text looks on a background with the Yxy color 41.8312, 0.3437, 0.3190.

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

41.8312, 0.3437, 0.3190

Protanopia

41.7536, 0.3121, 0.3236

Deuteranopia

41.9839, 0.3324, 0.3264



Tritanopia

41.6323, 0.3402, 0.3127

Trichromacy



Original Color

41.8312, 0.3437, 0.3190

Protanomaly

41.7462, 0.3231, 0.3224

Deuteranomaly

41.7768, 0.3365, 0.3239

Tritanomaly

41.5932, 0.3411, 0.3140

Monochromacy



Original Color

41.8312, 0.3437, 0.3190

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.6209, 0.3238, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8312, 0.3437, 0.3190 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(203, 163, 171)` looks like.

```
.text, #text, p{  
    color:rgb(203, 163, 171)  
}
```

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(203, 163, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 163, 171) }
```

Border

The CSS property to change the border of an element to Yxy 41.8312, 0.3437, 0.3190 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(203, 163, 171) }
```

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

```
.border{ border-color:rgb(203, 163, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 163, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 163, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 163, 171);  
box-shadow:4px 4px 4px 4px rgb(203, 163,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8312, 0.3437, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 163, 171) }
```

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

```
.background{ background-color: rgb(203,  
163, 171) }
```

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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