

Converting Colors

$Y_{xy}(50.2310, 0.3243, 0.3340)$

Have a look what the booklet for
Yxy(50.2310, 0.3243, 0.3340)
contains.

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Color

Yxy(50.2310, 0.3243, 0.3340)

Conversions

Conversions Part 1

Format	Color
Hex	C4BAB6
RGB	196, 186, 182
RGB Percent	77%, 73%, 71%
CMY	0.2313, 0.2706, 0.2862
CMYK	0.00, 0.05, 0.07, 0.23
HSL	17°, 11%, 74%
HSV	17°, 7%, 77%
XYZ	48.7722, 50.2310, 51.3890
YIQ	188.5340, 7.2440, 0.8760

Conversions

Conversions Part 2

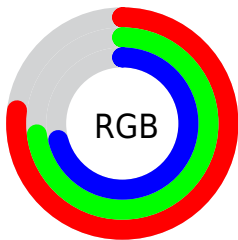
Format	Color
R _Y B	196, 188, 182
Decimal	12892854
CIE Lab	76.21, 2.84, 3.27
CIE LCh	76, 4.327, 49.054
Yxy	50.2310, 0.3243, 0.3340
Android (android.graphics.Color)	4291082934 (0xFFC4BAB6)
YUV	188.5340, -3.2213, 6.5477
Hunter-Lab	70.8738, -1.1935, 6.6218

Details

The Yxy color **50.2310, 0.3243, 0.3340** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.6496, 0.3018, 0.3239**, and the grayscale version is **50.6275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5600, 0.3224, 0.3329**, and **24.1108, 0.3274, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **43.8548, 0.3431, 0.3414**, and if you desaturate by 10%, it is **57.3054, 0.3085, 0.3271**.

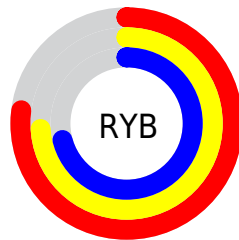
Distribution



Red (77%)

Green (73%)

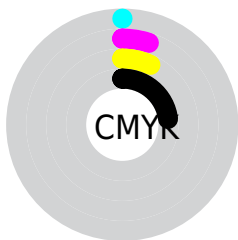
Blue (71%)



Red (77%)

Yellow (74%)

Blue (71%)

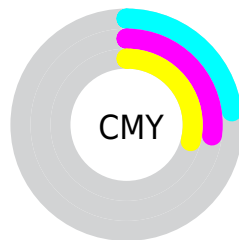


Cyan (0%)

Magenta (5%)

Yellow (7%)

Black (23%)



Cyan (23%)


Magenta (27%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2310, 0.3243, 0.3340 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 50.2310, 0.3243, 0.3340 by changing the saturation by 10% instead.


 50.2310, 0.3243,
0.3340

 50.2310, 0.3243,
0.3340


387.5686, 0.3186,
0.3316

 35.5970, 0.3257,
0.3346


 90.5170, 0.3222,
0.3331

 24.1231, 0.3275,
0.3353


116.9379, 0.3214,
0.3328

 15.4250, 0.3299,
0.3363


148.0564, 0.3208,
0.3325

 9.1182, 0.3332,
0.3377

184.2570, 0.3202,
0.3323

 4.8183, 0.3382,
0.3396

225.9242, 0.3197,
0.3321

 2.1411, 0.3461,
0.3427

273.4422, 0.3193,

 0.6876, 0.3744,

0.3319

0.3562

327.1956, 0.3189,
0.3317

0.0000, 0.0000,
0.0000

50.2310, 0.3243,
0.3340

50.2310, 0.3243,
0.3340

43.8548, 0.3431,
0.3414

57.3054, 0.3085,
0.3271

38.1489, 0.3655,
0.3492

65.0919, 0.2952,
0.3207

33.0931, 0.3918,
0.3570

73.6120, 0.2840,
0.3149

28.6636, 0.4223,
0.3644

82.5304, 0.2773,
0.3152

24.8353, 0.4567,
0.3707

90.4784, 0.2784,
0.3289

■ 21.5812, 0.4938,
0.3747

■ 18.8720, 0.5313,
0.3753

■ 16.6757, 0.5657,
0.3717

■ 14.9548, 0.5935,
0.3637

Harmonies

Analogous

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



50.2310, 0.3224, 0.3289



50.2310, 0.3243, 0.3340



50.2310, 0.3231, 0.3378

Triad

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



50.2310, 0.3243, 0.3340



50.2310, 0.3076, 0.3342



50.2310, 0.3064, 0.3189

Complementary

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



50.2310, 0.3243, 0.3340



51.6496, 0.3018, 0.3239

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.



50.2310, 0.3025, 0.3202



50.2310, 0.3243, 0.3340



50.2310, 0.3031, 0.3290

Square

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



50.2310, 0.3243, 0.3340



50.2310, 0.3134, 0.3380



50.2310, 0.3013, 0.3239



50.2310, 0.3120, 0.3203

Rectangle

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



50.2310, 0.3243, 0.3340



50.2310, 0.3207, 0.3391



50.2310, 0.3013, 0.3239



50.2310, 0.3048, 0.3190

Sweetspot

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



50.2332, 0.3243, 0.3340



97.3691, 0.3159, 0.3304



49.0090, 0.3167, 0.3166



20.8686, 0.3157, 0.3303



0.0000, 0.0000, 0.0000



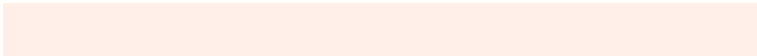
21.4041, 0.3127, 0.3290

Same Dimension

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



50.2332, 0.3243, 0.3340



88.5733, 0.3278, 0.3354



53.2500, 0.3235, 0.3426



10.5339, 0.3282, 0.3356



9.4693, 0.5981, 0.3633



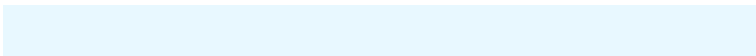
0.5304, 0.5528, 0.3993

Inverse Universe

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



51.6496, 0.3018, 0.3239



91.8116, 0.2987, 0.3225



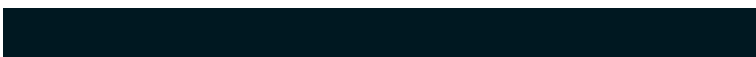
48.6525, 0.3019, 0.3150



10.9288, 0.2984, 0.3223



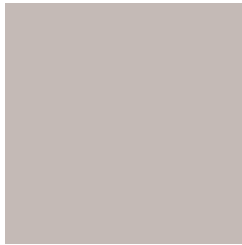
14.8171, 0.1986, 0.2348



0.7526, 0.2051, 0.2583

Previews

White Background



This preview shows how the Yxy color 50.2310, 0.3243, 0.3340 looks on a white background.

Color Contrast Check

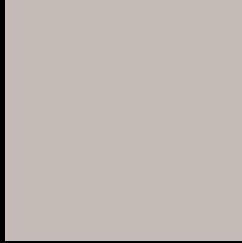
Large Text (above 18pt) WCAG AA × Fail

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 50.2310, 0.3243, 0.3340 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 50.2310, 0.3243, 0.3340

Background



This preview shows how black text looks on a background with the Yxy color 50.2310, 0.3243, 0.3340.



This preview shows how white text looks on a background with the Yxy color 50.2310, 0.3243, 0.3340.

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

50.2310, 0.3243, 0.3340

Protanopia

50.1660, 0.3200, 0.3341

Deuteranopia

50.2847, 0.3344, 0.3279



Tritanopia

50.3640, 0.3135, 0.3119

Trichromacy



Original Color

50.2310, 0.3243, 0.3340

Protanomaly

50.2970, 0.3208, 0.3340

Deuteranomaly

50.1232, 0.3308, 0.3291

Tritanomaly

50.3740, 0.3173, 0.3204

Monochromacy



Original Color

50.2310, 0.3243, 0.3340

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.7181, 0.3176, 0.3315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2310, 0.3243, 0.3340 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, 186, 182)` looks like.

```
.text, #text, p{  
    color:rgb(196, 186, 182)  
}
```

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, 186, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 186, 182) }
```

Border

The CSS property to change the border of an element to Yxy 50.2310, 0.3243, 0.3340 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, 186, 182) }
```

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

```
.border{ border-color:rgb(196, 186, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 186, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 186, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 186, 182); box-shadow:4px 4px 4px 4px rgb(196, 186, 182) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2310, 0.3243, 0.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 186, 182) }
```

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

```
.background{ background-color: rgb(196,  
186, 182) }
```

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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