

Converting Colors

$Y_{xy}(45.3099, 0.3188, 0.3251)$

Have a look what the booklet for
Yxy(45.3099, 0.3188, 0.3251)
contains.

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Color

Yxy(45.3044, 0.3190, 0.3251)

Conversions

Conversions Part 1

Format	Color
Hex	BBB1B4
RGB	187, 177, 180
RGB Percent	73%, 69%, 71%
CMY	0.2667, 0.3059, 0.2940
CMYK	0.00, 0.05, 0.04, 0.27
HSL	342°, 7%, 71%
HSV	342°, 5%, 73%
XYZ	44.4543, 45.3044, 49.5965
YIQ	180.3320, 4.9970, 3.0530

Conversions

Conversions Part 2

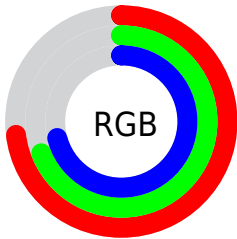
Format	Color
RYB	187, 177, 180
Decimal	12300724
CIELab	73.09, 4.10, -0.28
CIELCh	73, 4.109, 356.129
Yxy	45.3044, 0.3190, 0.3251
Android (android.graphics.Color)	4290490804 (0xFFBBB1B4)
YUV	180.3320, -0.1637, 5.8478
Hunter-Lab	67.3085, 0.1014, 3.4279

Details

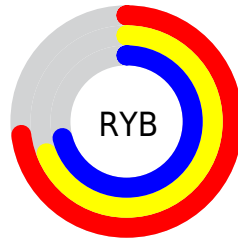
The Yxy color **45.3044, 0.3190, 0.3251** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.3438, 0.3068, 0.3329**, and the grayscale version is **45.8296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3886, 0.3176, 0.3260**, and **21.0159, 0.3215, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **37.9116, 0.3328, 0.3174**, and if you desaturate by 10%, it is **53.7633, 0.3078, 0.3323**.

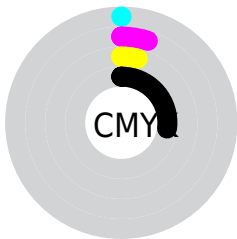
Distribution



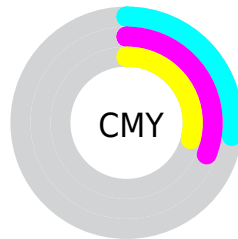
- Red (73%)
- Green (69%)
- Blue (71%)



- Red (73%)
- Yellow (69%)
- Blue (71%)



- Cyan (0%)
- Magenta (5%)
- Yellow (4%)
- Black (27%)



- Cyan (27%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3044, 0.3190, 0.3251 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 45.3044, 0.3190, 0.3251 by changing the saturation by 10% instead.

■ 45.3044, 0.3190,
0.3251

■ 45.3044, 0.3190,
0.3251

368.0050, 0.3158,
0.3271

■ 31.6973, 0.3198,
0.3246

■ 83.1770, 0.3179,
0.3258

■ 21.1304, 0.3208,
0.3240

108.2113, 0.3174,
0.3261

■ 13.2193, 0.3222,
0.3231

137.8233, 0.3171,
0.3263

■ 7.5798, 0.3241,
0.3219

172.3977, 0.3167,
0.3265

■ 3.8272, 0.3270,
0.3201

212.3186, 0.3165,
0.3267

■ 1.5774, 0.3319,
0.3171

257.9705, 0.3162,

■ 0.3423, 0.3668,

0.3268

0.2951

309.7379, 0.3160,
0.3270

0.0000, 0.0000,
0.0000

45.3044, 0.3190,
0.3251

45.3044, 0.3190,
0.3251

37.9116, 0.3328,
0.3174

53.7633, 0.3078,
0.3323

31.5368, 0.3496,
0.3094

63.3223, 0.2986,
0.3389

26.1367, 0.3701,
0.3012

74.0211, 0.2911,
0.3449

21.6629, 0.3948,
0.2934

85.8958, 0.2849,
0.3505

18.0627, 0.4238,
0.2866

88.6891, 0.2785,
0.3394

■ 15.2781, 0.4568,
0.2819

■ 89.3037, 0.2736,
0.3289

■ 13.2439, 0.4925,
0.2803

■ 11.8847, 0.5284,
0.2831

■ 11.1084, 0.5614,
0.2904

Harmonies

Analogous

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



45.3044, 0.3134, 0.3211



45.3044, 0.3190, 0.3251



45.3044, 0.3229, 0.3301

Triad

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



45.3044, 0.3190, 0.3251



45.3044, 0.3177, 0.3391



45.3044, 0.3015, 0.3229

Complementary

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



45.3044, 0.3190, 0.3251



48.3438, 0.3068, 0.3329

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.



45.3044, 0.3026, 0.3278



45.3044, 0.3190, 0.3251



45.3044, 0.3120, 0.3371

Square

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



45.3044, 0.3190, 0.3251



45.3044, 0.3222, 0.3382



45.3044, 0.3064, 0.3330



45.3044, 0.3033, 0.3198

Rectangle

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



45.3044, 0.3190, 0.3251



45.3044, 0.3241, 0.3335



45.3044, 0.3064, 0.3330



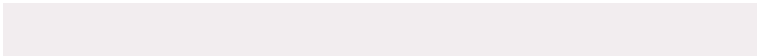
45.3044, 0.3015, 0.3244

Sweetspot

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



45.3064, 0.3190, 0.3251



85.9491, 0.3150, 0.3275



45.2029, 0.3106, 0.3161



18.9612, 0.3149, 0.3276



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



45.3064, 0.3190, 0.3251



80.0845, 0.3199, 0.3245



45.9126, 0.3213, 0.3314



10.0698, 0.3205, 0.3242



7.4917, 0.5723, 0.2926



0.3054, 0.5022, 0.2540

Inverse Universe

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



45.3064, 0.3190, 0.3251



80.0845, 0.3199, 0.3245



47.7002, 0.3046, 0.3266



10.0698, 0.3205, 0.3242



7.4917, 0.5723, 0.2926



0.3054, 0.5022, 0.2540

Previews

White Background



This preview shows how the Yxy color 45.3044, 0.3190, 0.3251 looks on a white background.

Color Contrast Check

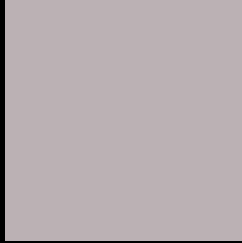
Large Text (above 18pt) WCAG AA × Fail

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 45.3044, 0.3190, 0.3251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

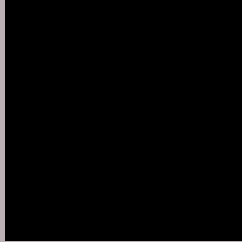
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

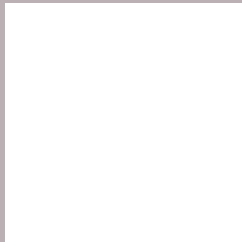
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3044, 0.3190, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 45.3044, 0.3190, 0.3251.



This preview shows how white text looks on a background with the Yxy color 45.3044, 0.3190, 0.3251.

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

45.3044, 0.3190, 0.3251

Protanopia

45.5215, 0.3137, 0.3264

Deuteranopia

45.3441, 0.3265, 0.3202



Tritanopia

45.4162, 0.3126, 0.3124

Trichromacy



Original Color

45.3044, 0.3190, 0.3251

Protanomaly

45.3673, 0.3155, 0.3251

Deuteranomaly

45.3336, 0.3237, 0.3214

Tritanomaly

45.2872, 0.3151, 0.3162

Monochromacy



Original Color

45.3044, 0.3190, 0.3251

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6028, 0.3154, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3044, 0.3190, 0.3251 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(187, 177, 180)` looks like.

```
.text, #text, p{  
    color:rgb(187, 177, 180)  
}
```

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(187, 177, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 177, 180) }
```

Border

The CSS property to change the border of an element to Yxy 45.3044, 0.3190, 0.3251 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(187, 177, 180) }
```

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

```
.border{ border-color:rgb(187, 177, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 177, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 177, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 177, 180);  
box-shadow:4px 4px 4px 4px rgb(187, 177,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3044, 0.3190, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 177, 180) }
```

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

```
.background{ background-color: rgb(187,  
177, 180) }
```

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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