

Converting Colors

$Y_{xy}(45.6886, 0.3151, 0.3170)$

Have a look what the booklet for
Yxy(45.6886, 0.3151, 0.3170)
contains.

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Color

Yxy(45.6808, 0.3150, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	BCB1BA
RGB	188, 177, 186
RGB Percent	74%, 69%, 73%
CMY	0.2628, 0.3058, 0.2706
CMYK	0.00, 0.06, 0.01, 0.26
HSL	311°, 8%, 72%
HSV	311°, 6%, 74%
XYZ	45.3211, 45.6808, 52.8746
YIQ	181.3150, 3.6670, 5.1310

Conversions

Conversions Part 2

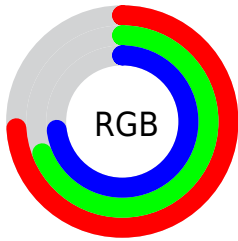
Format	Color
R _Y B	188, 177, 186
Decimal	12366266
CIE Lab	73.34, 5.55, -3.17
CIE LCh	73, 6.388, 330.234
Yxy	45.6808, 0.3150, 0.3175
Android (android.graphics.Color)	4290556346 (0xFFBCB1BA)
YUV	181.3150, 2.3097, 5.8627
Hunter-Lab	67.5876, 1.4156, 0.9280

Details

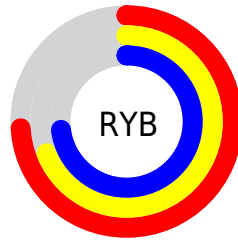
The Yxy color **45.6808, 0.3150, 0.3175** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.5664, 0.3105, 0.3408**, and the grayscale version is **46.3736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9217, 0.3145, 0.3200**, and **21.2597, 0.3159, 0.3133** is the 20% darker color. If you saturate the color by 10%, you get **38.6160, 0.3194, 0.2972**, and if you desaturate by 10%, it is **53.7761, 0.3112, 0.3370**.

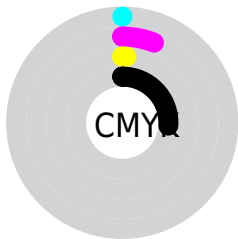
Distribution



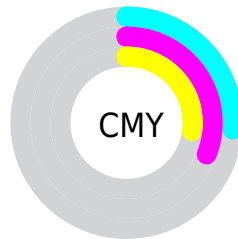
- Red (74%)
- Green (69%)
- Blue (73%)



- Red (74%)
- Yellow (69%)
- Blue (73%)



- Cyan (0%)
- Magenta (6%)
- Yellow (1%)
- Black (26%)





- Cyan (26%)
- Magenta (31%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6808, 0.3150, 0.3175 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 45.6808, 0.3150, 0.3175 by changing the saturation by 10% instead.


 45.6808, 0.3150,
0.3175

 45.6808, 0.3150,
0.3175


369.5239, 0.3139,
0.3232

 31.9940, 0.3153,
0.3161


 83.7411, 0.3146,
0.3196

 21.3569, 0.3156,
0.3143


108.8834, 0.3144,
0.3204

 13.3851, 0.3161,
0.3118


138.6129, 0.3143,
0.3210

 7.6943, 0.3167,
0.3085

173.3142, 0.3142,
0.3216

 3.9000, 0.3176,
0.3034

213.3715, 0.3141,
0.3221

 1.6178, 0.3191,
0.2952

259.1693, 0.3140,

 0.3695, 0.3287,

0.3225

0.2496

311.0920, 0.3139,
0.3229

0.0000, 0.0000,
0.0000

45.6808, 0.3150,
0.3175

45.6808, 0.3150,
0.3175

38.6160, 0.3194,
0.2972

53.7761, 0.3112,
0.3370

32.5343, 0.3244,
0.2764

62.9352, 0.3080,
0.3553

27.3931, 0.3300,
0.2559

73.1972, 0.3052,
0.3724

23.1446, 0.3362,
0.2362

84.5974, 0.3029,
0.3882

19.7367, 0.3429,
0.2185

86.5293, 0.3010,
0.3870

■ 17.1121, 0.3499,
0.2036

■ 86.6950, 0.2992,
0.3830

■ 15.2060, 0.3570,
0.1924

■ 86.8643, 0.2973,
0.3791

■ 13.9433, 0.3639,
0.1856

■ 87.0373, 0.2955,
0.3751

■ 13.2296, 0.3706,
0.1833

■ 87.2140, 0.2937,
0.3712

Harmonies

Analogous

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



45.6808, 0.3060, 0.3140



45.6808, 0.3150, 0.3175



45.6808, 0.3235, 0.3240

Triad

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



45.6808, 0.3150, 0.3175



45.6808, 0.3266, 0.3437



45.6808, 0.2966, 0.3259

Complementary

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



45.6808, 0.3150, 0.3175



48.5664, 0.3105, 0.3408

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.



45.6808, 0.3020, 0.3341



45.6808, 0.3150, 0.3175



45.6808, 0.3193, 0.3445

Square

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



45.6808, 0.3150, 0.3175



45.6808, 0.3303, 0.3390



45.6808, 0.3103, 0.3410



45.6808, 0.2955, 0.3187

Rectangle

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



45.6808, 0.3150, 0.3175



45.6808, 0.3277, 0.3291



45.6808, 0.3103, 0.3410



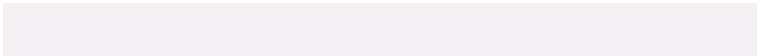
45.6808, 0.2980, 0.3286

Sweetspot

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



45.6828, 0.3150, 0.3175



88.1661, 0.3135, 0.3250



44.6429, 0.3055, 0.3146



18.9922, 0.3134, 0.3252



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.



45.6828, 0.3150, 0.3175



81.0697, 0.3155, 0.3150



45.4609, 0.3194, 0.3243



9.9724, 0.3157, 0.3142



8.8703, 0.3726, 0.1826



0.3554, 0.3581, 0.1747

Inverse Universe

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



45.6828, 0.3150, 0.3175



81.0697, 0.3155, 0.3150



48.7857, 0.3065, 0.3338



9.9724, 0.3157, 0.3142



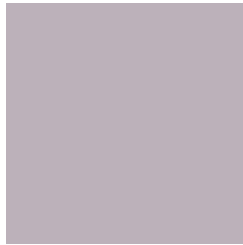
8.8703, 0.3726, 0.1826



0.3554, 0.3581, 0.1747

Previews

White Background



This preview shows how the Yxy color 45.6808, 0.3150, 0.3175 looks on a white background.

Color Contrast Check

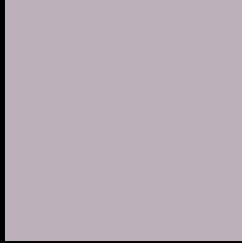
Large Text (above 18pt) WCAG AA × Fail

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 45.6808, 0.3150, 0.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

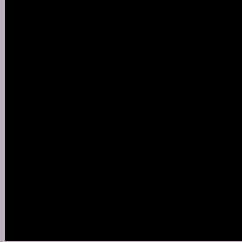
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

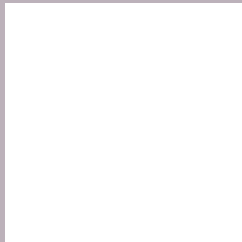
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6808, 0.3150, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 45.6808, 0.3150, 0.3175.



This preview shows how white text looks on a background with the Yxy color 45.6808, 0.3150, 0.3175.

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

45.6808, 0.3150, 0.3175

Protanopia

45.6518, 0.3081, 0.3186

Deuteranopia

45.8072, 0.3213, 0.3152



Tritanopia

45.5872, 0.3127, 0.3112

Trichromacy



Original Color

45.6808, 0.3150, 0.3175

Protanomaly

45.6190, 0.3107, 0.3174

Deuteranomaly

45.8023, 0.3186, 0.3163

Tritanomaly

45.5436, 0.3135, 0.3124

Monochromacy



Original Color

45.6808, 0.3150, 0.3175

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.2518, 0.3138, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6808, 0.3150, 0.3175 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(188, 177, 186)` looks like.

```
.text, #text, p{  
    color:rgb(188, 177, 186)  
}
```

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(188, 177, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 177, 186) }
```

Border

The CSS property to change the border of an element to Yxy 45.6808, 0.3150, 0.3175 is called "border". The border property can be set on classes, ids or directly on the HTML element.

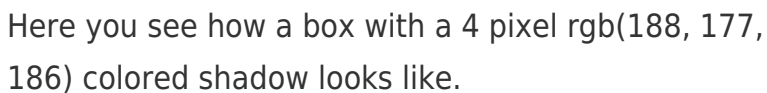
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 177, 186) }
```

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

```
.border{ border-color:rgb(188, 177, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 177, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 177, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 177, 186); box-shadow:4px 4px 4px 4px rgb(188, 177, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6808, 0.3150, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 177, 186) }
```

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

```
.background{ background-color: rgb(188,  
177, 186) }
```

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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