

Converting Colors

$Yxy(45.8338, 0.3280, 0.3408)$

Have a look what the booklet for
Yxy(45.8338, 0.3280, 0.3408)
contains.

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Color

Yxy(45.8338, 0.3280, 0.3408)

Conversions

Conversions Part 1

Format	Color
Hex	BCB3AA
RGB	188, 179, 170
RGB Percent	74%, 70%, 67%
CMY	0.2628, 0.2980, 0.3334
CMYK	0.00, 0.05, 0.10, 0.26
HSL	30°, 12%, 70%
HSV	30°, 10%, 74%
XYZ	44.1123, 45.8338, 44.5427
YIQ	180.6650, 8.2530, -0.8910

Conversions

Conversions Part 2

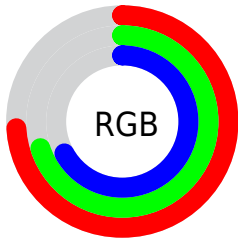
Format	Color
RYB	188, 188, 170
Decimal	12366762
CIELab	73.44, 1.61, 5.73
CIELCh	73, 5.956, 74.299
Yxy	45.8338, 0.3280, 0.3408
Android (android.graphics.Color)	4290556842 (0xFFBCB3AA)
YUV	180.6650, -5.2578, 6.4328
Hunter-Lab	67.7007, -2.1693, 8.3814

Details

The Yxy color $45.8338, 0.3280, 0.3408$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $44.4027, 0.2981, 0.3169$, and the grayscale version is $46.0438, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.0860, 0.3251, 0.3392$, and $21.3806, 0.3327, 0.3433$ is the 20% darker color. If you saturate the color by 10%, you get $41.5414, 0.3461, 0.3538$, and if you desaturate by 10%, it is $50.4877, 0.3121, 0.3285$.

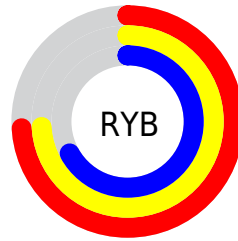
Distribution



Red (74%)

Green (70%)

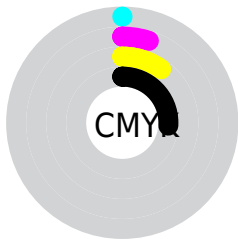
Blue (67%)



Red (74%)

Yellow (74%)

Blue (67%)

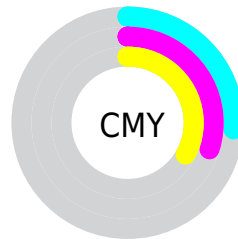


Cyan (0%)

Magenta (5%)

Yellow (10%)

Black (26%)



Cyan (26%)

Magenta (30%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8338, 0.3280, 0.3408 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 45.8338, 0.3280, 0.3408 by changing the saturation by 10% instead.

■ 45.8338, 0.3280,
0.3408

■ 45.8338, 0.3280,
0.3408

370.1401, 0.3203,
0.3349

■ 32.1147, 0.3299,
0.3423

■ 83.9702, 0.3252,
0.3387

■ 21.4491, 0.3324,
0.3442

109.1563, 0.3242,
0.3379

■ 13.4527, 0.3358,
0.3467

138.9335, 0.3233,
0.3372

■ 7.7410, 0.3404,
0.3502

173.6862, 0.3225,
0.3366

■ 3.9297, 0.3475,
0.3554

213.7988, 0.3219,
0.3361

■ 1.6343, 0.3593,
0.3640

259.6558, 0.3213,

■ 0.3806, 0.5044,

0.3357

0.4786

311.6414, 0.3208,
0.3353

0.0000, 0.0000,
0.0000

45.8338, 0.3280,
0.3408

45.8338, 0.3280,
0.3408

41.5414, 0.3461,
0.3538

50.4877, 0.3121,
0.3285

37.5952, 0.3667,
0.3672

55.5061, 0.2982,
0.3170

33.9873, 0.3896,
0.3806

60.8996, 0.2861,
0.3064

30.7075, 0.4148,
0.3932

66.6764, 0.2756,
0.2967

27.7447, 0.4415,
0.4042

72.2525, 0.2711,
0.2970

■ 25.0871, 0.4689,
0.4123

■ 77.4913, 0.2721,
0.3075

■ 22.7218, 0.4953,
0.4162

■ 83.0134, 0.2731,
0.3178

■ 20.6346, 0.5192,
0.4151

■ 88.8231, 0.2741,
0.3279

■ 18.8035, 0.5397,
0.4092

■ 89.4307, 0.2742,
0.3289

Harmonies

Analogous

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



45.8338, 0.3290, 0.3350



45.8338, 0.3280, 0.3408



45.8338, 0.3228, 0.3436

Triad

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



45.8338, 0.3280, 0.3408



45.8338, 0.2999, 0.3302



45.8338, 0.3103, 0.3161

Complementary

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



45.8338, 0.3280, 0.3408



44.4027, 0.2981, 0.3169

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.



45.8338, 0.3026, 0.3148



45.8338, 0.3280, 0.3408



45.8338, 0.2967, 0.3227

Square

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



45.8338, 0.3280, 0.3408



45.8338, 0.3066, 0.3374



45.8338, 0.2976, 0.3171



45.8338, 0.3188, 0.3208

Rectangle

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



45.8338, 0.3280, 0.3408



45.8338, 0.3178, 0.3432



45.8338, 0.2976, 0.3171



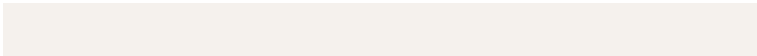
45.8338, 0.3075, 0.3153

Sweetspot

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



45.8358, 0.3280, 0.3408



88.5087, 0.3174, 0.3327



42.6879, 0.3214, 0.3173



18.8857, 0.3186, 0.3337



95.5105, 0.3127, 0.3290



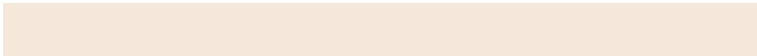
19.5994, 0.3127, 0.3290

Same Dimension

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



45.8358, 0.3280, 0.3408



81.7880, 0.3307, 0.3428



49.5567, 0.3268, 0.3522



10.3049, 0.3276, 0.3405



12.9029, 0.5387, 0.4105



0.6363, 0.5028, 0.4390

Inverse Universe

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



44.4027, 0.2981, 0.3169



78.7900, 0.2956, 0.3148



40.9176, 0.2980, 0.3047



9.9906, 0.2984, 0.3172



8.0469, 0.1776, 0.1594



0.4461, 0.1898, 0.2032

Previews

White Background



This preview shows how the Yxy color 45.8338, 0.3280, 0.3408 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 45.8338, 0.3280, 0.3408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

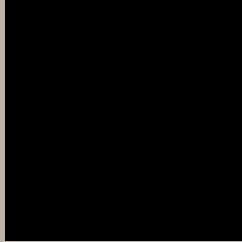
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

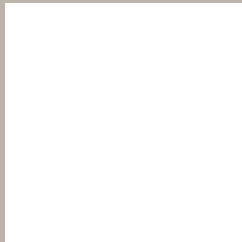
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8338, 0.3280, 0.3408

Background



This preview shows how black text looks on a background with the Yxy color 45.8338, 0.3280, 0.3408.

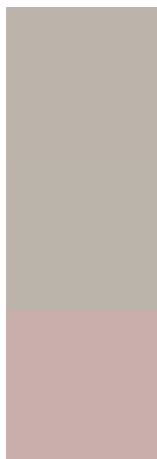


This preview shows how white text looks on a background with the Yxy color 45.8338, 0.3280, 0.3408.

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

45.8338, 0.3280, 0.3408

Protanopia

45.9839, 0.3261, 0.3421

Deuteranopia

45.6299, 0.3397, 0.3329



Tritanopia

45.8447, 0.3144, 0.3113

Trichromacy



Original Color

45.8338, 0.3280, 0.3408

Protanomaly

46.1096, 0.3270, 0.3421

Deuteranomaly

45.7267, 0.3348, 0.3354

Tritanomaly

45.8103, 0.3192, 0.3213

Monochromacy



Original Color

45.8338, 0.3280, 0.3408

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.0072, 0.3186, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8338, 0.3280, 0.3408 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, 179, 170)` looks like.

```
.text, #text, p{  
    color:rgb(188, 179, 170)  
}
```

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, 179, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 179, 170) }
```

Border

The CSS property to change the border of an element to Yxy 45.8338, 0.3280, 0.3408 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, 179, 170) }
```

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

```
.border{ border-color:rgb(188, 179, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 179, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 179, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 179, 170);  
box-shadow:4px 4px 4px 4px rgb(188, 179,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8338, 0.3280, 0.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 179, 170) }
```

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

```
.background{ background-color: rgb(188,  
179, 170) }
```

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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