

Converting Colors

$Y_{xy}(45.7558, 0.3055, 0.3005)$

Have a look what the booklet for
Yxy(45.7558, 0.3055, 0.3005)
contains.

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Color

Yxy(45.8193, 0.3054, 0.3012)

Conversions

Conversions Part 1

Format	Color
Hex	BCB0C6
RGB	188, 176, 198
RGB Percent	74%, 69%, 78%
CMY	0.2628, 0.3098, 0.2234
CMYK	0.05, 0.11, 0.00, 0.22
HSL	273°, 16%, 73%
HSV	273°, 11%, 78%
XYZ	46.4582, 45.8193, 59.8450
YIQ	182.0960, 0.0900, 9.3860

Conversions

Conversions Part 2

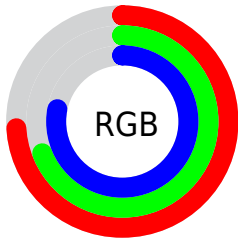
Format	Color
R _Y B	188, 176, 198
Decimal	12366022
CIE Lab	73.43, 8.40, -9.64
CIE LCh	73, 12.785, 311.054
Yxy	45.8193, 0.3054, 0.3012
Android (android.graphics.Color)	4290556102 (0xFFBCB0C6)
YUV	182.0960, 7.8407, 5.1778
Hunter-Lab	67.6900, 4.0540, -5.0356

Details

The Yxy color **45.8193, 0.3054, 0.3012** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.9877, 0.3194, 0.3570**, and the grayscale version is **46.7916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1663, 0.3065, 0.3063**, and **21.5798, 0.3038, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **37.5012, 0.2976, 0.2742**, and if you desaturate by 10%, it is **55.3461, 0.3120, 0.3263**.

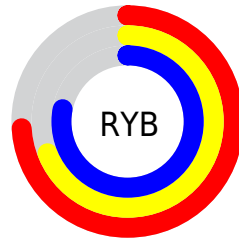
Distribution



Red (74%)

Green (69%)

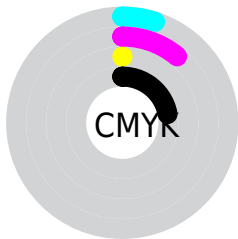
Blue (78%)



Red (74%)

Yellow (69%)

Blue (78%)

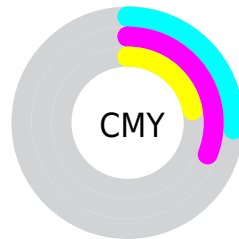


Cyan (5%)

Magenta (11%)

Yellow (0%)

Black (22%)



Cyan (26%)

Magenta (31%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8193, 0.3054, 0.3012 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 45.8193, 0.3054, 0.3012 by changing the saturation by 10% instead.

■ 45.8193, 0.3054,
0.3012

■ 45.8193, 0.3054,
0.3012

370.0817, 0.3092,
0.3149

■ 32.1033, 0.3044,
0.2978

■ 83.9485, 0.3068,
0.3061

■ 21.4404, 0.3032,
0.2936

109.1304, 0.3073,
0.3080

■ 13.4463, 0.3015,
0.2879

138.9031, 0.3077,
0.3096

■ 7.7366, 0.2991,
0.2802

173.6510, 0.3081,
0.3109

■ 3.9269, 0.2953,
0.2689

213.7584, 0.3084,
0.3121

■ 1.6327, 0.2889,
0.2508

259.6097, 0.3087,

■ 0.3795, 0.2776,

0.3132

0.1862

311.5893, 0.3089,
0.3141

0.0000, 0.0000,
0.0000

45.8193, 0.3054,
0.3012

45.8193, 0.3054,
0.3012

37.5012, 0.2976,
0.2742

55.3461, 0.3120,
0.3263

30.3359, 0.2887,
0.2459

66.1228, 0.3176,
0.3493

24.2714, 0.2786,
0.2168

78.1960, 0.3223,
0.3702

19.2497, 0.2675,
0.1881

91.4671, 0.3262,
0.3888

15.2071, 0.2556,
0.1610

92.9506, 0.3321,
0.3877

■ 12.0727, 0.2434,
0.1369

■ 94.5120, 0.3380,
0.3866

■ 9.7658, 0.2314,
0.1171

■ 96.1525, 0.3440,
0.3854

■ 8.1903, 0.2200,
0.1026

■ 96.8591, 0.3466,
0.3850

■ 7.2472, 0.2107,
0.0934

Harmonies

Analogous

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



45.8193, 0.2896, 0.2989



45.8193, 0.3054, 0.3012



45.8193, 0.3236, 0.3104

Triad

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



45.8193, 0.3054, 0.3012



45.8193, 0.3464, 0.3529



45.8193, 0.2867, 0.3331

Complementary

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



45.8193, 0.3054, 0.3012



53.9877, 0.3194, 0.3570

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.



45.8193, 0.3013, 0.3488



45.8193, 0.3054, 0.3012



45.8193, 0.3358, 0.3602

Square

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



45.8193, 0.3054, 0.3012



45.8193, 0.3477, 0.3397



45.8193, 0.3193, 0.3588



45.8193, 0.2790, 0.3167

Rectangle

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



45.8193, 0.3054, 0.3012



45.8193, 0.3347, 0.3193



45.8193, 0.3193, 0.3588



45.8193, 0.2909, 0.3387

Sweetspot

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



45.8213, 0.3054, 0.3012



94.5598, 0.3108, 0.3216



48.5490, 0.2956, 0.3139



19.9359, 0.3103, 0.3196



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.



45.8213, 0.3054, 0.3012



77.8862, 0.3039, 0.2958



47.1090, 0.3146, 0.3028



10.5668, 0.3066, 0.3057



4.7624, 0.2120, 0.0941



0.2682, 0.2339, 0.1062

Inverse Universe

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



46.6115, 0.3238, 0.3165



79.5359, 0.3262, 0.3141



52.8011, 0.3108, 0.3567



10.7161, 0.3219, 0.3185



8.3083, 0.5123, 0.2596



0.4080, 0.4623, 0.2320

Previews

White Background



This preview shows how the Yxy color 45.8193, 0.3054, 0.3012 looks on a white background.

Color Contrast Check

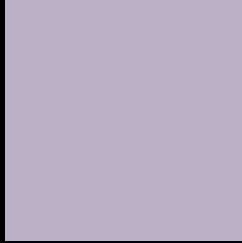
Large Text (above 18pt) WCAG AA × Fail

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 45.8193, 0.3054, 0.3012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

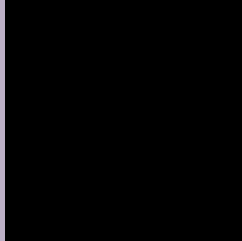
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8193, 0.3054, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 45.8193, 0.3054, 0.3012.



This preview shows how white text looks on a background with the Yxy color 45.8193, 0.3054, 0.3012.

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

45.8193, 0.3054, 0.3012

Protanopia

45.8753, 0.2956, 0.3020

Deuteranopia

45.6843, 0.3072, 0.3001



Tritanopia

45.7707, 0.3101, 0.3111

Trichromacy



Original Color

45.8193, 0.3054, 0.3012

Protanomaly

45.9094, 0.2996, 0.3022

Deuteranomaly

45.5560, 0.3063, 0.3000

Tritanomaly

45.9041, 0.3077, 0.3074

Monochromacy



Original Color

45.8193, 0.3054, 0.3012

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.4637, 0.3098, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8193, 0.3054, 0.3012 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, 176, 198)` looks like.

```
.text, #text, p{  
    color:rgb(188, 176, 198)  
}
```

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, 176, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 176, 198) }
```

Border

The CSS property to change the border of an element to Yxy 45.8193, 0.3054, 0.3012 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, 176, 198) }
```

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

```
.border{ border-color:rgb(188, 176, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 176, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 176, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 176, 198);  
box-shadow:4px 4px 4px 4px rgb(188, 176,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8193, 0.3054, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 176, 198) }
```

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

```
.background{ background-color: rgb(188,  
176, 198) }
```

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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