

Converting Colors

$Y_{xy}(45.7859, 0.3157, 0.3348)$

Have a look what the booklet for
Yxy(45.7859, 0.3157, 0.3348)
contains.

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Color

Yxy(45.8856, 0.3158, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	B4B5B0
RGB	180, 181, 176
RGB Percent	71%, 71%, 69%
CMY	0.2942, 0.2901, 0.3097
CMYK	0.01, 0.00, 0.03, 0.29
HSL	73°, 3%, 70%
HSV	73°, 3%, 71%
XYZ	43.1784, 45.8856, 47.6631
YIQ	180.1310, 1.0090, -1.7670

Conversions

Conversions Part 2

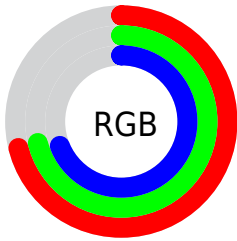
Format	Color
RYB	176, 181, 177
Decimal	11842992
CIELab	73.47, -1.28, 2.40
CIElCh	73, 2.725, 118.135
Yxy	45.8856, 0.3158, 0.3356
Android (android.graphics.Color)	4290033072 (0xFFB4B5B0)
YUV	180.1310, -2.0366, -0.1149
Hunter-Lab	67.7389, -4.7629, 5.6991

Details

The Yxy color **45.8856, 0.3158, 0.3356** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.7478, 0.3096, 0.3223**, and the grayscale version is **45.7257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2274, 0.3151, 0.3341**, and **21.4056, 0.3159, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **44.7708, 0.3272, 0.3604**, and if you desaturate by 10%, it is **47.1123, 0.3048, 0.3123**.

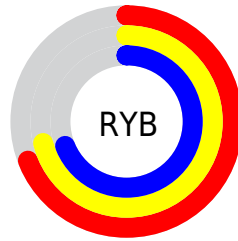
Distribution



Red (71%)

Green (71%)

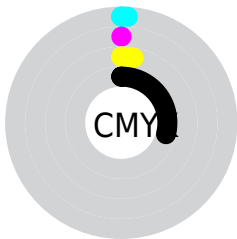
Blue (69%)



Red (69%)

Yellow (71%)

Blue (69%)

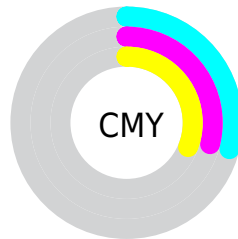


Cyan (1%)

Magenta (0%)

Yellow (3%)

Black (29%)



Cyan (29%)

Magenta (29%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8856, 0.3158, 0.3356 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 45.8856, 0.3158, 0.3356 by changing the saturation by 10% instead.

■ 45.8856, 0.3158,
0.3356

■ 45.8856, 0.3158,
0.3356

370.3485, 0.3143,
0.3323

■ 32.1556, 0.3162,
0.3364

■ 84.0478, 0.3152,
0.3344

■ 21.4803, 0.3167,
0.3375

109.2487, 0.3150,
0.3339

■ 13.4756, 0.3173,
0.3389

139.0420, 0.3149,
0.3336

■ 7.7568, 0.3183,
0.3410

173.8121, 0.3147,
0.3332

■ 3.9397, 0.3196,
0.3440

213.9434, 0.3146,
0.3330

■ 1.6399, 0.3220,
0.3492

259.8203, 0.3145,

■ 0.3843, 0.3447,

0.3327

0.3967

311.8272, 0.3144,
0.3325

0.0000, 0.0000,
0.0000

45.8856, 0.3158,
0.3356

45.8856, 0.3158,
0.3356

44.7708, 0.3272,
0.3604

47.1123, 0.3048,
0.3123

43.7581, 0.3386,
0.3863

48.4486, 0.2943,
0.2906

42.8453, 0.3497,
0.4127

49.8998, 0.2844,
0.2708

42.0281, 0.3600,
0.4387

51.4694, 0.2753,
0.2527

41.3018, 0.3691,
0.4633

52.3960, 0.2738,
0.2470

■ 40.6610, 0.3763,
0.4856

■ 52.9188, 0.2765,
0.2476

■ 40.1001, 0.3814,
0.5044

■ 53.4546, 0.2793,
0.2482

■ 39.6122, 0.3839,
0.5190

■ 54.0034, 0.2821,
0.2488

■ 39.1896, 0.3840,
0.5290

■ 54.5653, 0.2848,
0.2495

Harmonies

Analogous

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



45.8856, 0.3188, 0.3352



45.8856, 0.3158, 0.3356



45.8856, 0.3120, 0.3342

Triad

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



45.8856, 0.3158, 0.3356



45.8856, 0.3053, 0.3248



45.8856, 0.3171, 0.3266

Complementary

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



45.8856, 0.3158, 0.3356



43.7478, 0.3096, 0.3223

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.



45.8856, 0.3134, 0.3239



45.8856, 0.3158, 0.3356



45.8856, 0.3067, 0.3229

Square

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



45.8856, 0.3158, 0.3356



45.8856, 0.3059, 0.3280



45.8856, 0.3096, 0.3225



45.8856, 0.3196, 0.3300

Rectangle

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



45.8856, 0.3158, 0.3356



45.8856, 0.3095, 0.3325



45.8856, 0.3096, 0.3225



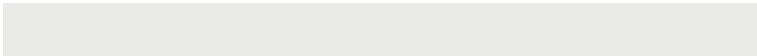
45.8856, 0.3160, 0.3256

Sweetspot

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



45.8876, 0.3158, 0.3356



82.5396, 0.3138, 0.3314



44.4108, 0.3170, 0.3303



17.8422, 0.3138, 0.3313



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



45.8876, 0.3158, 0.3356



82.1107, 0.3161, 0.3363



45.5957, 0.3137, 0.3356



9.9526, 0.3169, 0.3379



26.8519, 0.3834, 0.5338



0.8674, 0.3940, 0.5254

Inverse Universe

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



43.7478, 0.3096, 0.3223



77.8843, 0.3092, 0.3216



44.0387, 0.3117, 0.3224



9.3287, 0.3085, 0.3200



2.6060, 0.1616, 0.0664



0.1067, 0.1890, 0.0815

Previews

White Background



This preview shows how the Yxy color 45.8856, 0.3158, 0.3356 looks on a white background.

Color Contrast Check

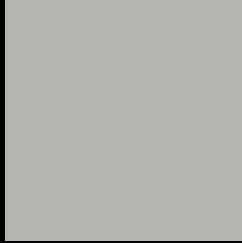
Large Text (above 18pt) WCAG AA × Fail

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 45.8856, 0.3158, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

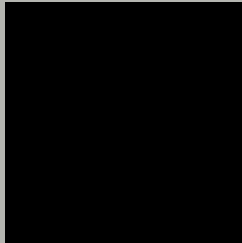
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

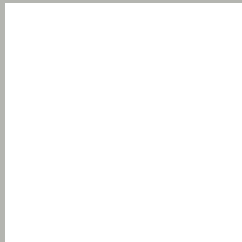
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8856, 0.3158, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 45.8856, 0.3158, 0.3356.



This preview shows how white text looks on a background with the Yxy color 45.8856, 0.3158, 0.3356.

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

45.8856, 0.3158, 0.3356

Protanopia

46.0519, 0.3211, 0.3356

Deuteranopia

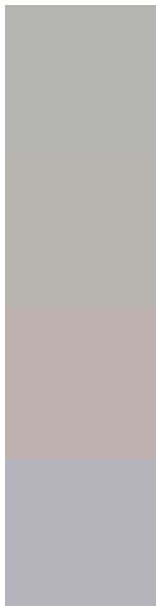
45.5885, 0.3327, 0.3253



Tritanopia

45.6361, 0.3042, 0.3097

Trichromacy



Original Color

45.8856, 0.3158, 0.3356

Protanomaly

45.8049, 0.3193, 0.3356

Deuteranomaly

45.8251, 0.3260, 0.3290

Tritanomaly

45.6518, 0.3081, 0.3186

Monochromacy



Original Color

45.8856, 0.3158, 0.3356

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6005, 0.3135, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8856, 0.3158, 0.3356 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(180, 181, 176)` looks like.

```
.text, #text, p{  
    color:rgb(180, 181, 176)  
}
```

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(180, 181, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 181, 176) }
```

Border

The CSS property to change the border of an element to Yxy 45.8856, 0.3158, 0.3356 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(180, 181, 176) }
```

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

```
.border{ border-color:rgb(180, 181, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 181, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 181, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 181, 176);  
box-shadow:4px 4px 4px 4px rgb(180, 181,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8856, 0.3158, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 181, 176) }
```

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

```
.background{ background-color: rgb(180,  
181, 176) }
```

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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