

Converting Colors

$Y_{xy}(40.7923, 0.3257, 0.3149)$

Have a look what the booklet for
Yxy(40.7923, 0.3257, 0.3149)
contains.

Yxy(40.8637, 0.3255, 0.3146)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.8637, 0.3255, 0.3146)

Conversions

Conversions Part 1

Format	Color
Hex	BDA5B0
RGB	189, 165, 176
RGB Percent	74%, 65%, 69%
CMY	0.2588, 0.3529, 0.3097
CMYK	0.00, 0.13, 0.07, 0.26
HSL	332°, 15%, 69%
HSV	332°, 13%, 74%
XYZ	42.2795, 40.8637, 46.7478
YIQ	173.4300, 10.7730, 8.5090

Conversions

Conversions Part 2

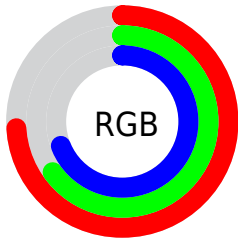
Format	Color
RYB	189, 165, 176
Decimal	12428720
CIELab	70.08, 10.65, -2.47
CIELCh	70, 10.927, 346.961
Yxy	40.8637, 0.3255, 0.3146
Android (android.graphics.Color)	4290618800 (0xFFBDA5B0)
YUV	173.4300, 1.2670, 13.6549
Hunter-Lab	63.9247, 6.1908, 1.3889

Details

The Yxy color $40.8637, 0.3255, 0.3146$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $47.6071, 0.3015, 0.3439$, and the grayscale version is $42.0109, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.4251, 0.3226, 0.3168$, and $18.4997, 0.3294, 0.3094$ is the 20% darker color. If you saturate the color by 10%, you get $34.1544, 0.3380, 0.3026$, and if you desaturate by 10%, it is $48.6146, 0.3152, 0.3260$.

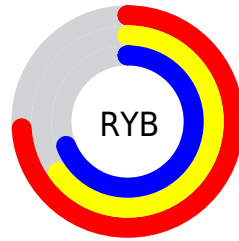
Distribution



Red (74%)

Green (65%)

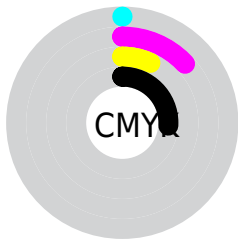
Blue (69%)



Red (74%)

Yellow (65%)

Blue (69%)

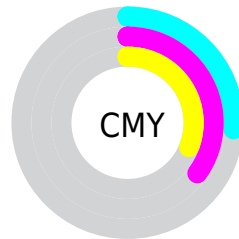


Cyan (0%)

Magenta (13%)

Yellow (7%)

Black (26%)



Cyan (26%)


Magenta (35%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8637, 0.3255, 0.3146 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 40.8637, 0.3255, 0.3146 by changing the saturation by 10% instead.


 40.8637, 0.3255,
0.3146


 40.8637, 0.3255,
0.3146


349.7506, 0.3190,
0.3219

 28.2126, 0.3272,
0.3127


 76.4769, 0.3231,
0.3173

 18.4860, 0.3293,
0.3104


 100.2079, 0.3222,
0.3183

 11.2995, 0.3322,
0.3071


128.4009, 0.3215,
0.3191

 6.2686, 0.3363,
0.3026

161.4403, 0.3208,
0.3198

 3.0091, 0.3427,
0.2956

199.7106, 0.3203,
0.3205

 1.1365, 0.3537,
0.2837

243.5962, 0.3198,

 0.0089, 0.5843,

0.3210

0.0194

293.4814, 0.3194,
0.3215

0.0000, 0.0000,
0.0000

40.8637, 0.3255,
0.3146

40.8637, 0.3255,
0.3146

34.1544, 0.3380,
0.3026

48.6146, 0.3152,
0.3260

28.4365, 0.3529,
0.2903

57.4435, 0.3067,
0.3367

23.6639, 0.3707,
0.2783

67.3920, 0.2996,
0.3467

19.7847, 0.3914,
0.2672

78.4976, 0.2938,
0.3558

16.7416, 0.4149,
0.2582

87.8904, 0.2888,
0.3595

■ 14.4711, 0.4407,
0.2523

■ 88.4717, 0.2836,
0.3480

■ 12.9001, 0.4678,
0.2509

■ 89.0870, 0.2784,
0.3369

■ 11.9411, 0.4945,
0.2548

■ 89.5585, 0.2747,
0.3289

■ 11.5042, 0.5134,
0.2602

Harmonies

Analogous

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



40.8637, 0.3094, 0.3054



40.8637, 0.3255, 0.3146



40.8637, 0.3384, 0.3275

Triad

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



40.8637, 0.3255, 0.3146



40.8637, 0.3307, 0.3570



40.8637, 0.2822, 0.3156

Complementary

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



40.8637, 0.3255, 0.3146



47.6071, 0.3015, 0.3439

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.



40.8637, 0.2876, 0.3297



40.8637, 0.3255, 0.3146



40.8637, 0.3154, 0.3542

Square

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



40.8637, 0.3255, 0.3146



40.8637, 0.3413, 0.3521



40.8637, 0.2997, 0.3441



40.8637, 0.2847, 0.3056

Rectangle

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



40.8637, 0.3255, 0.3146



40.8637, 0.3432, 0.3367



40.8637, 0.2997, 0.3441



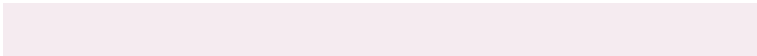
40.8637, 0.2832, 0.3200

Sweetspot

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



40.8655, 0.3255, 0.3146



85.0598, 0.3165, 0.3245



40.0266, 0.3041, 0.2972



18.0564, 0.3172, 0.3237



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.



40.8655, 0.3255, 0.3146



69.9610, 0.3285, 0.3116



40.7359, 0.3353, 0.3301



9.6073, 0.3218, 0.3185



7.7556, 0.5104, 0.2585



0.3170, 0.4535, 0.2272

Inverse Universe

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



40.8655, 0.3255, 0.3146



69.9610, 0.3285, 0.3116



47.7248, 0.2936, 0.3279



9.6073, 0.3218, 0.3185



7.7556, 0.5104, 0.2585



0.3170, 0.4535, 0.2272

Previews

White Background



This preview shows how the Yxy color 40.8637, 0.3255, 0.3146 looks on a white background.

Color Contrast Check

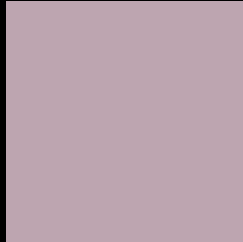
Large Text (above 18pt) WCAG AA × Fail

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 40.8637, 0.3255, 0.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

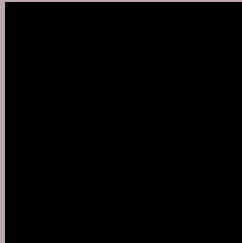
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8637, 0.3255, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 40.8637, 0.3255, 0.3146.



This preview shows how white text looks on a background with the Yxy color 40.8637, 0.3255, 0.3146.

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

40.8637, 0.3255, 0.3146

Protanopia

40.7748, 0.3070, 0.3167

Deuteranopia

40.8461, 0.3226, 0.3158



Tritanopia

40.9434, 0.3237, 0.3121

Trichromacy



Original Color

40.8637, 0.3255, 0.3146

Protanomaly

40.6846, 0.3133, 0.3156

Deuteranomaly

40.9718, 0.3235, 0.3159

Tritanomaly

40.9034, 0.3246, 0.3133

Monochromacy



Original Color

40.8637, 0.3255, 0.3146

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.3891, 0.3175, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8637, 0.3255, 0.3146 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(189, 165, 176)` looks like.

```
.text, #text, p{  
    color:rgb(189, 165, 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(189, 165, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 165, 176) }
```

Border

The CSS property to change the border of an element to Yxy 40.8637, 0.3255, 0.3146 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(189, 165, 176) }
```

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

```
.border{ border-color:rgb(189, 165, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 165, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 165, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 165, 176);  
box-shadow:4px 4px 4px 4px rgb(189, 165,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8637, 0.3255, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 165, 176) }
```

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

```
.background{ background-color: rgb(189,  
165, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor