

Converting Colors

$Y_{xy}(40.1046, 0.3957, 0.4308)$

Have a look what the booklet for
Yxy(40.1046, 0.3957, 0.4308)
contains.

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Color

Yxy(40.1046, 0.3957, 0.4308)

Conversions

Conversions Part 1

Format	Color
Hex	BBA5D
RGB	187, 170, 93
RGB Percent	73%, 67%, 36%
CMY	0.2668, 0.3333, 0.6353
CMYK	0.00, 0.09, 0.50, 0.27
HSL	49°, 41%, 55%
HSV	49°, 50%, 73%
XYZ	36.8370, 40.1046, 16.1517
YIQ	166.3050, 34.8490, -20.3430

Conversions

Conversions Part 2

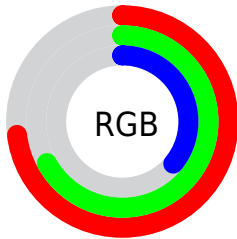
Format	Color
RYB	114, 187, 93
Decimal	12298845
CIELab	69.54, -4.18, 41.62
CIELCh	70, 41.826, 95.733
Yxy	40.1046, 0.3957, 0.4308
Android (android.graphics.Color)	4290488925 (0xFFBBAA5D)
YUV	166.3050, -36.1394, 18.1495
Hunter-Lab	63.3282, -6.9937, 29.2080

Details

The Yxy color $40.1046, 0.3957, 0.4308$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $17.0501, 0.2231, 0.1997$, and the grayscale version is $38.4528, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.3072, 0.3816, 0.4123$, and $18.0442, 0.4165, 0.4569$ is the 20% darker color. If you saturate the color by 10%, you get $38.5667, 0.4119, 0.4476$, and if you desaturate by 10%, it is $41.7597, 0.3786, 0.4117$.

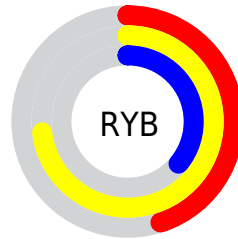
Distribution



Red (73%)

Green (67%)

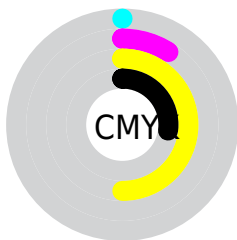
Blue (36%)



Red (45%)

Yellow (73%)

Blue (36%)

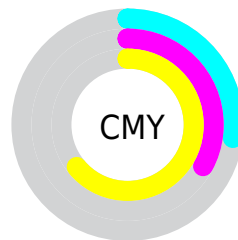


Cyan (0%)

Magenta (9%)

Yellow (50%)

Black (27%)



Cyan (27%)


Magenta (33%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1046, 0.3957, 0.4308 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 40.1046, 0.3957, 0.4308 by changing the saturation by 10% instead.


 40.1046, 0.3957,
0.4308


 40.1046, 0.3957,
0.4308


346.5642, 0.3550,
0.3797


 27.6201, 0.4050,
0.4430


 75.3228, 0.3814,
0.4125


 18.0395, 0.4163,
0.4580


 98.8252, 0.3758,
0.4055

 10.9783, 0.4296,
0.4766


 126.7691, 0.3711,
0.3996

 6.0523, 0.4458,
0.5003

 159.5389, 0.3670,
0.3945

 2.8769, 0.4666,
0.5334

197.5189, 0.3634,
0.3901

 1.0678, 0.4584,
0.5416

241.0935, 0.3603,

 0.0000, 0.0000,

0.3862

0.0000

290.6472, 0.3575,
0.3828

■ 40.1046, 0.3957,
0.4308

■ 40.1046, 0.3957,
0.4308

■ 38.5667, 0.4119,
0.4476

■ 41.7597, 0.3786,
0.4117

■ 37.1340, 0.4264,
0.4612

■ 43.5320, 0.3614,
0.3912

■ 35.8014, 0.4387,
0.4707

■ 45.4284, 0.3445,
0.3702

■ 34.5606, 0.4482,
0.4756

■ 47.4539, 0.3283,
0.3495

■ 33.4247, 0.4552,
0.4767

■ 49.6129, 0.3131,
0.3295

■ 51.9097, 0.2991,
0.3106

■ 54.3481, 0.2863,
0.2928

■ 56.9321, 0.2746,
0.2764

■ 59.2559, 0.2677,
0.2676

Harmonies

Analogous

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



40.1046, 0.4301, 0.3947



40.1046, 0.3957, 0.4308



40.1046, 0.3408, 0.4404

Triad

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



40.1046, 0.3957, 0.4308



40.1046, 0.2070, 0.2911



40.1046, 0.3367, 0.2637

Complementary

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



40.1046, 0.3957, 0.4308



17.0501, 0.2231, 0.1997

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.



40.1046, 0.2757, 0.2393



40.1046, 0.3957, 0.4308



40.1046, 0.2062, 0.2504

Square

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



40.1046, 0.3957, 0.4308



40.1046, 0.2330, 0.3512



40.1046, 0.2298, 0.2337



40.1046, 0.3959, 0.3022

Rectangle

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



40.1046, 0.3957, 0.4308



40.1046, 0.3006, 0.4249



40.1046, 0.2298, 0.2337



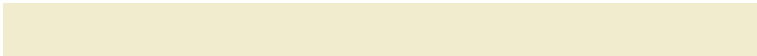
40.1046, 0.3155, 0.2537

Sweetspot

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



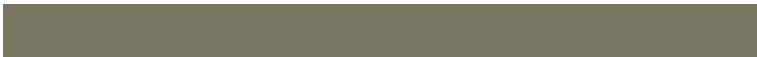
40.1065, 0.3957, 0.4308



83.1904, 0.3362, 0.3598



19.5171, 0.4261, 0.3055



18.1518, 0.3397, 0.3642



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.



40.1065, 0.3957, 0.4308



68.9150, 0.4130, 0.4487



43.5042, 0.3577, 0.4620



10.8199, 0.3269, 0.3477



23.1359, 0.4547, 0.4771



0.9839, 0.4449, 0.4850

Inverse Universe

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



17.0501, 0.2231, 0.1997



23.1549, 0.2029, 0.1673



15.6049, 0.2457, 0.1825



9.4962, 0.2984, 0.3096



3.3269, 0.1550, 0.0781



0.2166, 0.1665, 0.1195

Previews

White Background



This preview shows how the Yxy color 40.1046, 0.3957, 0.4308 looks on a white background.

Color Contrast Check

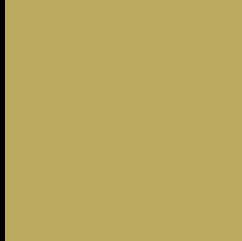
Large Text (above 18pt) WCAG AA × Fail

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 40.1046, 0.3957, 0.4308 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 40.1046, 0.3957, 0.4308

Background



This preview shows how black text looks on a background with the Yxy color 40.1046, 0.3957, 0.4308.



This preview shows how white text looks on a background with the Yxy color 40.1046, 0.3957, 0.4308.

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

40.1046, 0.3957, 0.4308

Protanopia

40.1046, 0.3957, 0.4308

Deuteranopia

39.9323, 0.4196, 0.4115



Tritanopia

40.1090, 0.3345, 0.3135

Trichromacy



Original Color

40.1046, 0.3957, 0.4308

Protanomaly

40.1046, 0.3957, 0.4308

Deuteranomaly

39.9978, 0.4113, 0.4187

Tritanomaly

39.7710, 0.3583, 0.3558

Monochromacy



Original Color

40.1046, 0.3957, 0.4308

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.5002, 0.3442, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1046, 0.3957, 0.4308 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(187, 170, 93)` looks like.

```
.text, #text, p{  
    color:rgb(187, 170, 93)  
}
```

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(187, 170, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 170, 93) }
```

Border

The CSS property to change the border of an element to Yxy 40.1046, 0.3957, 0.4308 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(187, 170, 93) }
```

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

```
.border{ border-color:rgb(187, 170, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 170, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 170, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 170, 93);  
box-shadow:4px 4px 4px 4px rgb(187, 170,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1046, 0.3957, 0.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 170, 93) }
```

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

```
.background{ background-color: rgb(187,  
170, 93) }
```

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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