

Converting Colors

$Y_{xy}(38.3830, 0.3232, 0.3194)$

Have a look what the booklet for
Yxy(38.3830, 0.3232, 0.3194)
contains.

Yxy(38.4085, 0.3236, 0.3195)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.4085, 0.3236, 0.3195)

Conversions

Conversions Part 1

Format	Color
Hex	B4A2A9
RGB	180, 162, 169
RGB Percent	71%, 64%, 66%
CMY	0.2942, 0.3647, 0.3372
CMYK	0.00, 0.10, 0.06, 0.29
HSL	337°, 11%, 67%
HSV	337°, 10%, 71%
XYZ	38.9014, 38.4085, 42.9045
YIQ	168.1800, 8.4810, 5.9930

Conversions

Conversions Part 2

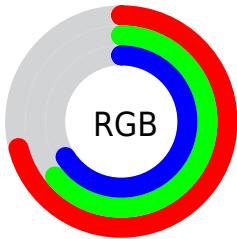
Format	Color
RYB	180, 162, 169
Decimal	11838121
CIELab	68.32, 7.78, -1.25
CIELCh	68, 7.880, 350.905
Yxy	38.4085, 0.3236, 0.3195
Android (android.graphics.Color)	4290028201 (0xFFB4A2A9)
YUV	168.1800, 0.4043, 10.3661
Hunter-Lab	61.9746, 3.5887, 2.3362

Details

The Yxy color **38.4085, 0.3236, 0.3195** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.3334, 0.3030, 0.3387**, and the grayscale version is **39.2458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8404, 0.3218, 0.3217**, and **16.9482, 0.3268, 0.3158** is the 20% darker color. If you saturate the color by 10%, you get **32.1206, 0.3369, 0.3094**, and if you desaturate by 10%, it is **45.6419, 0.3127, 0.3290**.

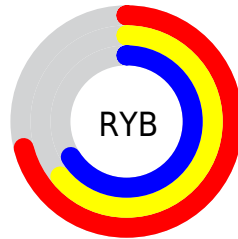
Distribution



Red (71%)

Green (64%)

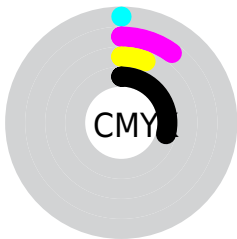
Blue (66%)



Red (71%)

Yellow (64%)

Blue (66%)

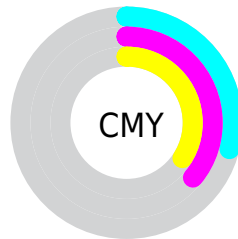


Cyan (0%)

Magenta (10%)

Yellow (6%)

Black (29%)



Cyan (29%)


Magenta (36%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4085, 0.3236, 0.3195 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 38.4085, 0.3236, 0.3195 by changing the saturation by 10% instead.


 38.4085, 0.3236,
0.3195


 38.4085, 0.3236,
0.3195


339.3691, 0.3180,
0.3244

 26.2999, 0.3251,
0.3182


 72.7338, 0.3215,
0.3213

 17.0481, 0.3270,
0.3166


 95.7193, 0.3208,
0.3220

 10.2688, 0.3296,
0.3143


123.0993, 0.3201,
0.3225

 5.5775, 0.3333,
0.3111

155.2580, 0.3196,
0.3230

 2.5899, 0.3392,
0.3060

192.5800, 0.3191,
0.3234

 0.9216, 0.3499,
0.2970

235.4496, 0.3187,


 0.0000, 1.0000,


0.3238


0.0000

284.2511, 0.3183,
0.3241

 0.0000, 0.0000,
0.0000


 38.4085, 0.3236,
0.3195


 38.4085, 0.3236,
0.3195

 32.1206, 0.3369,
0.3094


 45.6419, 0.3127,
0.3290

 26.7341, 0.3529,
0.2990


 53.8528, 0.3038,
0.3379


 22.2086, 0.3722,
0.2887

 63.0777, 0.2964,
0.3460

 18.4987, 0.3949,
0.2790

 73.3497, 0.2903,
0.3535

 15.5550, 0.4212,
0.2710

 84.7006, 0.2853,
0.3603

■ 13.3225, 0.4505,
0.2656

■ 87.2148, 0.2799,
0.3510

■ 11.7388, 0.4815,
0.2643

■ 87.8694, 0.2745,
0.3387

■ 10.7304, 0.5124,
0.2679

■ 88.4410, 0.2701,
0.3289

■ 10.1455, 0.5415,
0.2757

Harmonies

Analogous

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



38.4085, 0.3119, 0.3121



38.4085, 0.3236, 0.3195



38.4085, 0.3324, 0.3294

Triad

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



38.4085, 0.3236, 0.3195



38.4085, 0.3247, 0.3496



38.4085, 0.2901, 0.3181

Complementary

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



38.4085, 0.3236, 0.3195



43.3334, 0.3030, 0.3387

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.



38.4085, 0.2934, 0.3282



38.4085, 0.3236, 0.3195



38.4085, 0.3132, 0.3467

Square

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



38.4085, 0.3236, 0.3195



38.4085, 0.3330, 0.3468



38.4085, 0.3018, 0.3388



38.4085, 0.2927, 0.3111

Rectangle

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



38.4085, 0.3236, 0.3195



38.4085, 0.3355, 0.3361



38.4085, 0.3018, 0.3388



38.4085, 0.2905, 0.3212

Sweetspot

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



38.4102, 0.3236, 0.3195



78.5705, 0.3158, 0.3262



37.9993, 0.3072, 0.3044



16.7506, 0.3167, 0.3254



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.



38.4102, 0.3236, 0.3195



66.9842, 0.3263, 0.3173



38.7919, 0.3297, 0.3315



8.5583, 0.3228, 0.3202



7.0944, 0.5385, 0.2740



0.2349, 0.4638, 0.2329

Inverse Universe

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



38.4102, 0.3236, 0.3195



66.9842, 0.3263, 0.3173



42.8908, 0.2976, 0.3265



8.5583, 0.3228, 0.3202



7.0944, 0.5385, 0.2740



0.2349, 0.4638, 0.2329

Previews

White Background



This preview shows how the Yxy color 38.4085, 0.3236, 0.3195 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 38.4085, 0.3236, 0.3195 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 38.4085, 0.3236, 0.3195

Background



This preview shows how black text looks on a background with the Yxy color 38.4085, 0.3236, 0.3195.



This preview shows how white text looks on a background with the Yxy color 38.4085, 0.3236, 0.3195.

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

38.4085, 0.3236, 0.3195

Protanopia

38.5375, 0.3103, 0.3220

Deuteranopia

38.2994, 0.3257, 0.3182



Tritanopia

38.3695, 0.3202, 0.3115

Trichromacy



Original Color

38.4085, 0.3236, 0.3195

Protanomaly

38.5832, 0.3149, 0.3221

Deuteranomaly

38.1781, 0.3247, 0.3182

Tritanomaly

38.2921, 0.3220, 0.3141

Monochromacy



Original Color

38.4085, 0.3236, 0.3195

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.8702, 0.3166, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4085, 0.3236, 0.3195 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, 162, 169)` looks like.

```
.text, #text, p{  
    color:rgb(180, 162, 169)  
}
```

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, 162, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 162, 169) }
```

Border

The CSS property to change the border of an element to Yxy 38.4085, 0.3236, 0.3195 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, 162, 169) }
```

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

```
.border{ border-color:rgb(180, 162, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 162, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 162, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 162, 169);  
box-shadow:4px 4px 4px 4px rgb(180, 162,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4085, 0.3236, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 162, 169) }
```

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

```
.background{ background-color: rgb(180,  
162, 169) }
```

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