

Converting Colors

Yxy(38.4357, 0.3046, 0.3431)

Have a look what the booklet for
Yxy(38.4357, 0.3046, 0.3431)
contains.

Yxy(38.4713, 0.3049, 0.3437)	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(38.4713, 0.3049, 0.3437)

Conversions

Conversions Part 1

Format	Color
Hex	99ABA1
RGB	153, 171, 161
RGB Percent	60%, 67%, 63%
CMY	0.4001, 0.3294, 0.3687
CMYK	0.11, 0.00, 0.06, 0.33
HSL	147°, 10%, 64%
HSV	147°, 11%, 67%
XYZ	34.1283, 38.4713, 39.3332
YIQ	164.4780, -7.5180, -6.9260

Conversions

Conversions Part 2

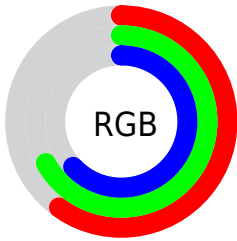
Format	Color
RYB	153, 165, 171
Decimal	10070945
CIELab	68.37, -8.27, 3.02
CIELCh	68, 8.801, 159.930
Yxy	38.4713, 0.3049, 0.3437
Android (android.graphics.Color)	4288261025 (0xFF99ABA1)
YUV	164.4780, -1.7147, -10.0662
Hunter-Lab	62.0252, -10.3276, 5.8190

Details

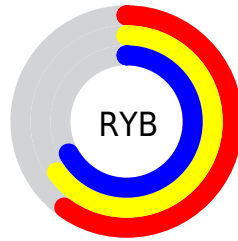
The Yxy color **38.4713, 0.3049, 0.3437** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.0808, 0.3214, 0.3147**, and the grayscale version is **37.3738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6160, 0.3060, 0.3402**, and **17.1442, 0.3020, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **36.6035, 0.2977, 0.3593**, and if you desaturate by 10%, it is **40.6064, 0.3123, 0.3297**.

Distribution



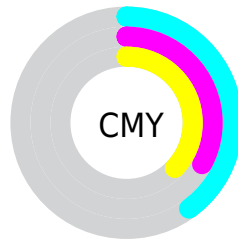
- Red (60%)
- Green (67%)
- Blue (63%)



- Red (60%)
- Yellow (65%)
- Blue (67%)



- Cyan (11%)
- Magenta (0%)
- Yellow (6%)
- Black (33%)



- Cyan (40%)
- Magenta (33%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4713, 0.3049, 0.3437 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 38.4713, 0.3049, 0.3437 by changing the saturation by 10% instead.

■ 38.4713, 0.3049,
0.3437

■ 38.4713, 0.3049,
0.3437

339.6374, 0.3090,
0.3360

■ 26.3487, 0.3038,
0.3457

■ 72.8299, 0.3064,
0.3408

■ 17.0847, 0.3024,
0.3484

■ 95.8348, 0.3070,
0.3398

■ 10.2949, 0.3005,
0.3521

123.2358, 0.3074,
0.3389

■ 5.5949, 0.2976,
0.3575

155.4174, 0.3078,
0.3382

■ 2.6004, 0.2930,
0.3662

192.7639, 0.3082,
0.3375

■ 0.9268, 0.2824,
0.3857

235.6599, 0.3085,

■ 0.0000, 0.0000,

0.3370

0.0000

284.4896, 0.3087,
0.3365

■ 38.4713, 0.3049,
0.3437

■ 38.4713, 0.3049,
0.3437

■ 36.6035, 0.2977,
0.3593

■ 40.6064, 0.3123,
0.3297

■ 34.9875, 0.2908,
0.3766

■ 43.0140, 0.3197,
0.3173

■ 33.6135, 0.2847,
0.3954

■ 45.7051, 0.3270,
0.3064

■ 32.4691, 0.2795,
0.4156

■ 48.6889, 0.3341,
0.2967

■ 31.5410, 0.2757,
0.4367

■ 51.9740, 0.3409,
0.2883

■ 30.8143, 0.2735,
0.4583

■ 55.4567, 0.3468,
0.2809

■ 30.2722, 0.2731,
0.4796

■ 55.9698, 0.3387,
0.2717

■ 29.8947, 0.2746,
0.5002

■ 56.5120, 0.3307,
0.2628

■ 29.6493, 0.2773,
0.5183

■ 57.0838, 0.3231,
0.2542

Harmonies

Analogous

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



38.4713, 0.3181, 0.3507



38.4713, 0.3049, 0.3437



38.4713, 0.2940, 0.3325

Triad

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



38.4713, 0.3049, 0.3437



38.4713, 0.2954, 0.3070



38.4713, 0.3380, 0.3366

Complementary

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



38.4713, 0.3049, 0.3437



34.0808, 0.3214, 0.3147

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.



38.4713, 0.3317, 0.3252



38.4713, 0.3049, 0.3437



38.4713, 0.3070, 0.3084

Square

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



38.4713, 0.3049, 0.3437



38.4713, 0.2886, 0.3113



38.4713, 0.3203, 0.3150



38.4713, 0.3374, 0.3463

Rectangle

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



38.4713, 0.3049, 0.3437



38.4713, 0.2894, 0.3244



38.4713, 0.3203, 0.3150



38.4713, 0.3367, 0.3328

Sweetspot

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



38.4729, 0.3049, 0.3437



71.7090, 0.3104, 0.3331



39.2368, 0.3208, 0.3550



15.9219, 0.3099, 0.3342



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



38.4729, 0.3049, 0.3437



67.9479, 0.3029, 0.3477



38.7957, 0.2978, 0.3307



8.9962, 0.3058, 0.3419



22.3583, 0.2768, 0.5165



0.6331, 0.2599, 0.4556

Inverse Universe

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



34.0808, 0.3214, 0.3147



58.2566, 0.3238, 0.3110



33.7751, 0.3298, 0.3273



8.0872, 0.3203, 0.3164



7.1630, 0.4691, 0.2358



0.2101, 0.4131, 0.2049

Previews

White Background



This preview shows how the Yxy color 38.4713, 0.3049, 0.3437 looks on a white background.

Color Contrast Check

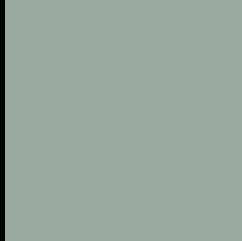
Large Text (above 18pt) WCAG AA × Fail

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 38.4713, 0.3049, 0.3437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

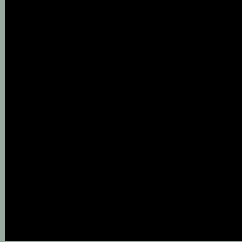
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

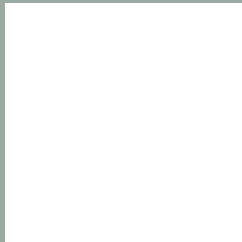
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4713, 0.3049, 0.3437

Background



This preview shows how black text looks on a background with the Yxy color 38.4713, 0.3049, 0.3437.



This preview shows how white text looks on a background with the Yxy color 38.4713, 0.3049, 0.3437.

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

38.4713, 0.3049, 0.3437

Protanopia

38.3990, 0.3244, 0.3403

Deuteranopia

38.3244, 0.3332, 0.3264



Tritanopia

38.4094, 0.2915, 0.3105

Trichromacy



Original Color

38.4713, 0.3049, 0.3437

Protanomaly

38.4010, 0.3167, 0.3419

Deuteranomaly

38.4031, 0.3229, 0.3332

Tritanomaly

38.4005, 0.2962, 0.3218

Monochromacy



Original Color

38.4713, 0.3049, 0.3437

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.7554, 0.3097, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4713, 0.3049, 0.3437 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(153, 171, 161)` looks like.

```
.text, #text, p{  
    color:rgb(153, 171, 161)  
}
```

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(153, 171, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 171, 161) }
```

Border

The CSS property to change the border of an element to Yxy 38.4713, 0.3049, 0.3437 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(153, 171, 161) }
```

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

```
.border{ border-color:rgb(153, 171, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 171, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 171, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 171, 161); box-shadow:4px 4px 4px 4px rgb(153, 171, 161) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4713, 0.3049, 0.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 171, 161) }
```

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

```
.background{ background-color: rgb(153,  
171, 161) }
```

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