

Converting Colors

$Y_{xy}(38.3129, 0.3226, 0.3756)$

Have a look what the booklet for
Yxy(38.3129, 0.3226, 0.3756)
contains.

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Color

Yxy(38.2982, 0.3223, 0.3753)

Conversions

Conversions Part 1

Format	Color
Hex	9AAC8D
RGB	154, 172, 141
RGB Percent	60%, 67%, 55%
CMY	0.3960, 0.3255, 0.4470
CMYK	0.10, 0.00, 0.18, 0.33
HSL	95°, 16%, 61%
HSV	95°, 18%, 67%
XYZ	32.8897, 38.2982, 30.8590
YIQ	163.0840, -0.7770, -13.4570

Conversions

Conversions Part 2

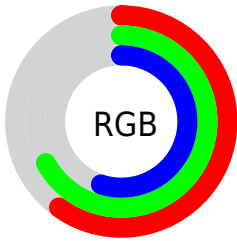
Format	Color
RYB	141, 172, 159
Decimal	10136717
CIELab	68.24, -12.07, 13.87
CIELCh	68, 18.387, 131.040
Yxy	38.2982, 0.3223, 0.3753
Android (android.graphics.Color)	4288326797 (0xFF9AAC8D)
YUV	163.0840, -10.8874, -7.9667
Hunter-Lab	61.8855, -13.4340, 13.7552

Details

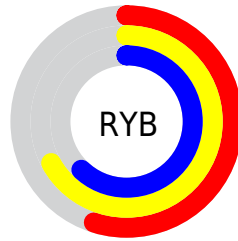
The Yxy color **38.2982, 0.3223, 0.3753** is a light color, and the websafe version is hex **999966**. A complement of this color would be **29.3983, 0.3014, 0.2834**, and the grayscale version is **36.7227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4336, 0.3208, 0.3653**, and **17.0718, 0.3248, 0.3905** is the 20% darker color. If you saturate the color by 10%, you get **36.8882, 0.3273, 0.4039**, and if you desaturate by 10%, it is **39.8724, 0.3170, 0.3487**.

Distribution



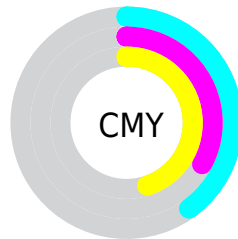
- Red (60%)
- Green (67%)
- Blue (55%)



- Red (55%)
- Yellow (67%)
- Blue (62%)



- Cyan (10%)
- Magenta (0%)
- Yellow (18%)
- Black (33%)




- Cyan (40%)
- Magenta (33%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2982, 0.3223, 0.3753 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 38.2982, 0.3223, 0.3753 by changing the saturation by 10% instead.


 38.2982, 0.3223,
0.3753


 38.2982, 0.3223,
0.3753


338.8974, 0.3176,
0.3508


 26.2142, 0.3234,
0.3819

 72.5650, 0.3207,
0.3661

 16.9840, 0.3248,
0.3906

 95.5165, 0.3200,
0.3627

 10.2231, 0.3264,
0.4027


 122.8594, 0.3195,
0.3599

 5.5471, 0.3286,
0.4206

154.9780, 0.3190,
0.3576

 2.5717, 0.3309,
0.4498

192.2567, 0.3186,
0.3555

 0.9125, 0.3794,
0.6049

235.0799, 0.3182,

 0.0000, 0.0000,

0.3538

0.0000

283.8321, 0.3179,
0.3522

■ 38.2982, 0.3223,
0.3753

■ 38.2982, 0.3223,
0.3753

■ 36.8882, 0.3273,
0.4039

■ 39.8724, 0.3170,
0.3487

■ 35.6318, 0.3316,
0.4340

■ 41.6112, 0.3117,
0.3244

■ 34.5246, 0.3350,
0.4646

■ 43.5212, 0.3064,
0.3024

■ 33.5603, 0.3371,
0.4944

■ 45.6074, 0.3013,
0.2828

■ 32.7319, 0.3375,
0.5219

■ 47.8743, 0.2964,
0.2653

■ 32.0316, 0.3360,
0.5455

■ 50.3263, 0.2919,
0.2498

■ 31.4508, 0.3326,
0.5637

■ 52.5485, 0.2920,
0.2417

■ 30.9763, 0.3277,
0.5765

■ 54.1882, 0.2998,
0.2436

■ 30.8914, 0.3268,
0.5787

■ 55.9230, 0.3076,
0.2456

Harmonies

Analogous

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



38.2982, 0.3478, 0.3767



38.2982, 0.3223, 0.3753



38.2982, 0.2951, 0.3597

Triad

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



38.2982, 0.3223, 0.3753



38.2982, 0.2634, 0.2913



38.2982, 0.3534, 0.3215

Complementary

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



38.2982, 0.3223, 0.3753



29.3983, 0.3014, 0.2834

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.



38.2982, 0.3292, 0.3010



38.2982, 0.3223, 0.3753



38.2982, 0.2775, 0.2836

Square

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



38.2982, 0.3223, 0.3753



38.2982, 0.2619, 0.3097



38.2982, 0.3013, 0.2874



38.2982, 0.3664, 0.3445

Rectangle

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



38.2982, 0.3223, 0.3753



38.2982, 0.2795, 0.3437



38.2982, 0.3013, 0.2874



38.2982, 0.3462, 0.3141

Sweetspot

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



38.2999, 0.3223, 0.3753



73.2286, 0.3154, 0.3413



35.3415, 0.3424, 0.3544



15.8688, 0.3158, 0.3430



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.



38.2999, 0.3223, 0.3753



68.3274, 0.3245, 0.3876



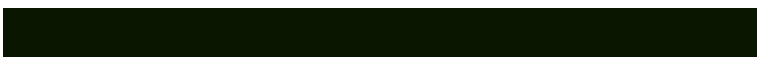
37.1529, 0.3088, 0.3737



9.0975, 0.3177, 0.3520



23.0195, 0.3275, 0.5782



0.6730, 0.3531, 0.5578

Inverse Universe

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



29.3983, 0.3014, 0.2834



48.8662, 0.2982, 0.2716



30.7211, 0.3168, 0.2880



7.9779, 0.3073, 0.3062



4.2554, 0.2202, 0.0987



0.1496, 0.2509, 0.1156

Previews

White Background



This preview shows how the Yxy color 38.2982, 0.3223, 0.3753 looks on a white background.

Color Contrast Check

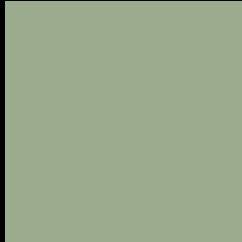
Large Text (above 18pt) WCAG AA × Fail

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 38.2982, 0.3223, 0.3753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

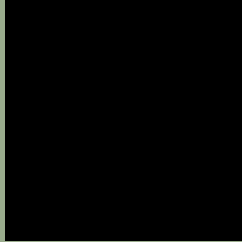
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2982, 0.3223, 0.3753

Background



This preview shows how black text looks on a background with the Yxy color 38.2982, 0.3223, 0.3753.



This preview shows how white text looks on a background with the Yxy color 38.2982, 0.3223, 0.3753.

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

38.2982, 0.3223, 0.3753

Protanopia

38.2214, 0.3464, 0.3687

Deuteranopia

38.0719, 0.3585, 0.3521



Tritanopia

38.4063, 0.2957, 0.3107

Trichromacy



Original Color

38.2982, 0.3223, 0.3753

Protanomaly

38.0848, 0.3371, 0.3711

Deuteranomaly

37.8510, 0.3452, 0.3601

Tritanomaly

38.3982, 0.3053, 0.3333

Monochromacy



Original Color

38.2982, 0.3223, 0.3753

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.1126, 0.3166, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2982, 0.3223, 0.3753 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(154, 172, 141)` looks like.

```
.text, #text, p{  
    color:rgb(154, 172, 141)  
}
```

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(154, 172, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 172, 141) }
```

Border

The CSS property to change the border of an element to Yxy 38.2982, 0.3223, 0.3753 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(154, 172, 141) }
```

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

```
.border{ border-color:rgb(154, 172, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 172, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 172, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 172, 141);  
box-shadow:4px 4px 4px 4px rgb(154, 172,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2982, 0.3223, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 172, 141) }
```

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

```
.background{ background-color: rgb(154,  
172, 141) }
```

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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