

Converting Colors

$Y_{xy}(39.1012, 0.2976, 0.3286)$

Have a look what the booklet for
Yxy(39.1012, 0.2976, 0.3286)
contains.

Yxy(38.9744, 0.2969, 0.3275)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.9744, 0.2969, 0.3275)

Conversions

Conversions Part 1

Format	Color
Hex	9AABAC
RGB	154, 171, 172
RGB Percent	60%, 67%, 67%
CMY	0.3962, 0.3294, 0.3254
CMYK	0.10, 0.01, 0.00, 0.33
HSL	183°, 10%, 64%
HSV	183°, 10%, 67%
XYZ	35.3328, 38.9744, 44.6986
YIQ	166.0310, -10.4530, -3.2930

Conversions

Conversions Part 2

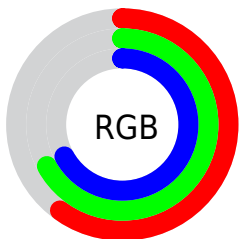
Format	Color
R _{YB}	154, 163, 172
Decimal	10136492
CIE Lab	68.73, -5.71, -2.55
CIE LCh	69, 6.256, 204.064
Yxy	38.9744, 0.2969, 0.3275
Android (android.graphics.Color)	4288326572 (0xFF9AABAC)
YUV	166.0310, 2.9427, -10.5512
Hunter-Lab	62.4295, -8.2271, 1.2499

Details

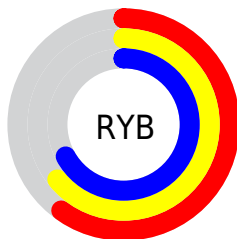
The Yxy color **38.9744, 0.2969, 0.3275** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.5408, 0.3307, 0.3305**, and the grayscale version is **38.1373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3487, 0.2998, 0.3279**, and **17.4333, 0.2922, 0.3269** is the 20% darker color. If you saturate the color by 10%, you get **37.0461, 0.2825, 0.3260**, and if you desaturate by 10%, it is **41.1505, 0.3120, 0.3289**.

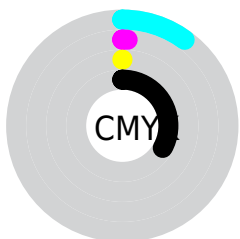
Distribution



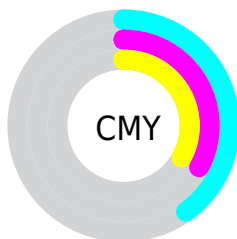
- Red (60%)
- Green (67%)
- Blue (67%)



- Red (60%)
- Yellow (64%)
- Blue (67%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9744, 0.2969, 0.3275 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 38.9744, 0.2969, 0.3275 by changing the saturation by 10% instead.

 38.9744, 0.2969,
0.3275


 38.9744, 0.2969,
0.3275


341.7816, 0.3050,
0.3283

 26.7398, 0.2948,
0.3273


 73.5992, 0.2999,
0.3278

 17.3779, 0.2921,
0.3270


 96.7582, 0.3010,
0.3279

 10.5043, 0.2883,
0.3265


124.3275, 0.3019,
0.3280

 5.7346, 0.2830,
0.3258

156.6914, 0.3027,
0.3281

 2.6844, 0.2746,
0.3247

194.2344, 0.3034,
0.3282

 0.9693, 0.2594,
0.3225

237.3408, 0.3040,

 0.0000, 0.0000,

0.3282

0.0000

286.3951, 0.3046,
0.3283

■ 38.9744, 0.2969,
0.3275

■ 38.9744, 0.2969,
0.3275

■ 37.0461, 0.2825,
0.3260

■ 41.1505, 0.3120,
0.3289

■ 35.3503, 0.2691,
0.3243

■ 43.5791, 0.3274,
0.3302

■ 33.8779, 0.2570,
0.3226

■ 46.2710, 0.3431,
0.3314

■ 32.6169, 0.2464,
0.3208

■ 49.2348, 0.3587,
0.3325

■ 31.5543, 0.2375,
0.3189

■ 52.4787, 0.3740,
0.3334

■ 30.6758, 0.2305,
0.3170

■ 55.5944, 0.3870,
0.3342

■ 29.9648, 0.2253,
0.3152

■ 55.9746, 0.3866,
0.3352

■ 29.4022, 0.2219,
0.3133

■ 56.3575, 0.3863,
0.3362

■ 28.9647, 0.2199,
0.3116

■ 56.7431, 0.3860,
0.3373

Harmonies

Analogous

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



38.9744, 0.3032, 0.3359



38.9744, 0.2969, 0.3275



38.9744, 0.2948, 0.3197

Triad

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



38.9744, 0.2969, 0.3275



38.9744, 0.3131, 0.3161



38.9744, 0.3282, 0.3435

Complementary

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



38.9744, 0.2969, 0.3275



34.5408, 0.3307, 0.3305

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.



38.9744, 0.3310, 0.3380



38.9744, 0.2969, 0.3275



38.9744, 0.3222, 0.3222

Square

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



38.9744, 0.2969, 0.3275



38.9744, 0.3040, 0.3133



38.9744, 0.3288, 0.3302



38.9744, 0.3213, 0.3452

Rectangle

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



38.9744, 0.2969, 0.3275



38.9744, 0.2960, 0.3158



38.9744, 0.3288, 0.3302



38.9744, 0.3297, 0.3420

Sweetspot

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



38.9760, 0.2969, 0.3275



73.5821, 0.3081, 0.3286



38.7414, 0.3107, 0.3542



15.9216, 0.3069, 0.3285



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.



38.9760, 0.2969, 0.3275



69.6890, 0.2929, 0.3271



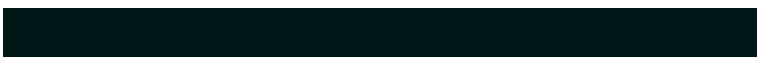
35.7198, 0.2968, 0.3145



8.9943, 0.2986, 0.3277



21.5766, 0.2199, 0.3118



0.6229, 0.2215, 0.3173

Inverse Universe

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



34.8153, 0.3148, 0.3051



60.3591, 0.3154, 0.2988



37.6189, 0.3293, 0.3431



8.1402, 0.3146, 0.3079



8.4812, 0.3352, 0.1620



0.2382, 0.3305, 0.1594

Previews

White Background



This preview shows how the Yxy color 38.9744, 0.2969, 0.3275 looks on a white background.

Color Contrast Check

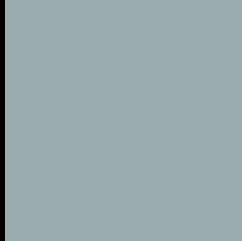
Large Text (above 18pt) WCAG AA × Fail

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 38.9744, 0.2969, 0.3275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

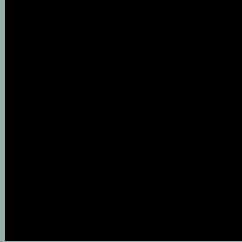
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

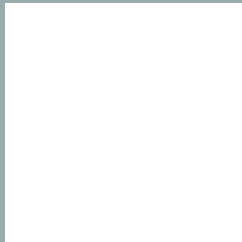
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.9744, 0.2969, 0.3275

Background



This preview shows how black text looks on a background with the Yxy color 38.9744, 0.2969, 0.3275.

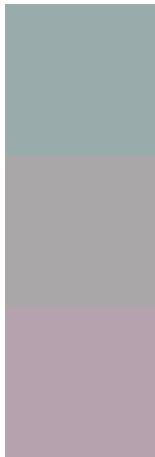


This preview shows how white text looks on a background with the Yxy color 38.9744, 0.2969, 0.3275.

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

38.9744, 0.2969, 0.3275

Protanopia

39.0481, 0.3138, 0.3262

Deuteranopia

38.7204, 0.3201, 0.3128



Tritanopia

38.8628, 0.2900, 0.3092

Trichromacy



Original Color

38.9744, 0.2969, 0.3275

Protanomaly

38.8001, 0.3074, 0.3262

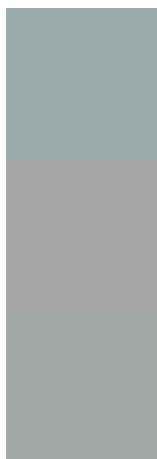
Deuteranomaly

38.5853, 0.3114, 0.3179

Tritanomaly

38.9727, 0.2923, 0.3161

Monochromacy



Original Color

38.9744, 0.2969, 0.3275

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.5138, 0.3073, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9744, 0.2969, 0.3275 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, 171, 172)` looks like.

```
.text, #text, p{  
    color:rgb(154, 171, 172)  
}
```

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, 171, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 171, 172) }
```

Border

The CSS property to change the border of an element to Yxy 38.9744, 0.2969, 0.3275 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, 171, 172) }
```

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

```
.border{ border-color:rgb(154, 171, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 171, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 171, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 171, 172);  
box-shadow:4px 4px 4px 4px rgb(154, 171,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9744, 0.2969, 0.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 171, 172) }
```

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

```
.background{ background-color: rgb(154,  
171, 172) }
```

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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