

Converting Colors

$Y_{xy}(38.6755, 0.2953, 0.3232)$

Have a look what the booklet for
Yxy(38.6755, 0.2953, 0.3232)
contains.

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Color

Yxy(38.6755, 0.2953, 0.3232)

Conversions

Conversions Part 1

Format	Color
Hex	9AAAAE
RGB	154, 170, 174
RGB Percent	60%, 67%, 68%
CMY	0.3962, 0.3333, 0.3176
CMYK	0.12, 0.02, 0.00, 0.32
HSL	192°, 11%, 64%
HSV	192°, 12%, 68%
XYZ	35.3369, 38.6755, 45.6519
YIQ	165.6720, -10.8200, -2.1480

Conversions

Conversions Part 2

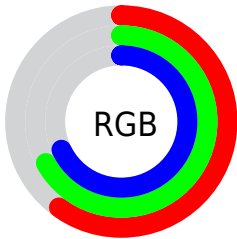
Format	Color
RYB	154, 163, 174
Decimal	10136238
CIELab	68.52, -4.76, -3.97
CIElCh	69, 6.203, 219.847
Yxy	38.6755, 0.2953, 0.3232
Android (android.graphics.Color)	4288326318 (0xFF9AAAAE)
YUV	165.6720, 4.1057, -10.2363
Hunter-Lab	62.1896, -7.4061, 0.0094

Details

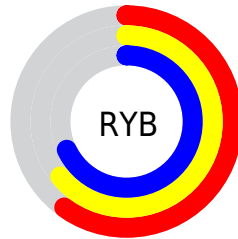
The Yxy color **38.6755, 0.2953, 0.3232** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7735, 0.3323, 0.3347**, and the grayscale version is **37.9489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9175, 0.2986, 0.3246**, and **17.2456, 0.2899, 0.3208** is the 20% darker color. If you saturate the color by 10%, you get **35.8076, 0.2805, 0.3177**, and if you desaturate by 10%, it is **41.8285, 0.3104, 0.3283**.

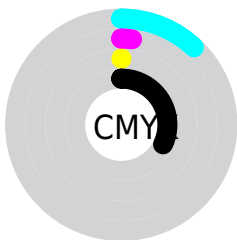
Distribution



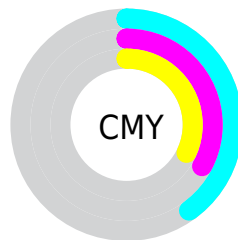
- Red (60%)
- Green (67%)
- Blue (68%)



- Red (60%)
- Yellow (64%)
- Blue (68%)



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)
- Black (32%)





- Cyan (40%)
- Magenta (33%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6755, 0.2953, 0.3232 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 38.6755, 0.2953, 0.3232 by changing the saturation by 10% instead.


 38.6755, 0.2953,
0.3232


 38.6755, 0.2953,
0.3232

340.5089, 0.3042,
0.3263

 26.5074, 0.2930,
0.3224


 73.1423, 0.2986,
0.3243

 17.2036, 0.2900,
0.3213


 96.2098, 0.2998,
0.3248

 10.3798, 0.2859,
0.3198


123.6792, 0.3009,
0.3251

 5.6515, 0.2800,
0.3176

155.9350, 0.3017,
0.3254

 2.6343, 0.2708,
0.3141

193.3614, 0.3025,
0.3257

 0.9440, 0.2540,
0.3075

236.3429, 0.3032,

 0.0000, 0.0000,

0.3259

0.0000

285.2640, 0.3037,
0.3261

■ 38.6755, 0.2953,
0.3232

■ 38.6755, 0.2953,
0.3232

■ 35.8076, 0.2805,
0.3177

■ 41.8285, 0.3104,
0.3283

■ 33.2092, 0.2664,
0.3117

■ 45.2719, 0.3256,
0.3329

■ 30.8700, 0.2531,
0.3053

■ 49.0171, 0.3406,
0.3370

■ 28.7777, 0.2411,
0.2985

■ 53.0732, 0.3553,
0.3406

■ 26.9185, 0.2306,
0.2915

■ 57.4491, 0.3696,
0.3438

■ 25.2769, 0.2218,
0.2844

■ 61.5079, 0.3805,
0.3468

■ 23.8358, 0.2149,
0.2772

■ 63.0383, 0.3793,
0.3504

■ 22.5743, 0.2098,
0.2700

■ 64.6047, 0.3782,
0.3540

■ 21.6084, 0.2067,
0.2640

■ 66.2076, 0.3771,
0.3575

Harmonies

Analogous

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



38.6755, 0.2995, 0.3315



38.6755, 0.2953, 0.3232



38.6755, 0.2957, 0.3166

Triad

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



38.6755, 0.2953, 0.3232



38.6755, 0.3180, 0.3191



38.6755, 0.3249, 0.3449

Complementary

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



38.6755, 0.2953, 0.3232



35.7735, 0.3323, 0.3347

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.



38.6755, 0.3301, 0.3412



38.6755, 0.2953, 0.3232



38.6755, 0.3260, 0.3263

Square

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



38.6755, 0.2953, 0.3232



38.6755, 0.3087, 0.3144



38.6755, 0.3305, 0.3344



38.6755, 0.3166, 0.3442

Rectangle

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



38.6755, 0.2953, 0.3232



38.6755, 0.2985, 0.3140



38.6755, 0.3305, 0.3344



38.6755, 0.3271, 0.3441

Sweetspot

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



38.6771, 0.2953, 0.3232



74.9520, 0.3081, 0.3275



39.5992, 0.3084, 0.3529



16.5546, 0.3069, 0.3271



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



38.6771, 0.2953, 0.3232



68.6772, 0.2912, 0.3217



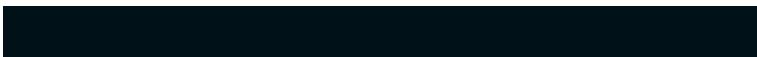
35.1735, 0.2951, 0.3090



8.7966, 0.2986, 0.3244



15.7551, 0.2069, 0.2648



0.5064, 0.2129, 0.2863

Inverse Universe

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



35.0026, 0.3177, 0.3066



60.6321, 0.3190, 0.3012



39.2129, 0.3306, 0.3482



8.1203, 0.3167, 0.3110



7.8935, 0.3778, 0.1855



0.2265, 0.3577, 0.1744

Previews

White Background



This preview shows how the Yxy color 38.6755, 0.2953, 0.3232 looks on a white background.

Color Contrast Check

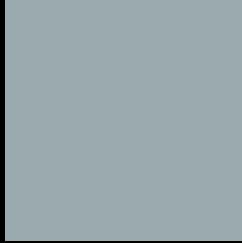
Large Text (above 18pt) WCAG AA × Fail

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 38.6755, 0.2953, 0.3232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

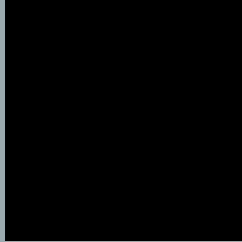
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

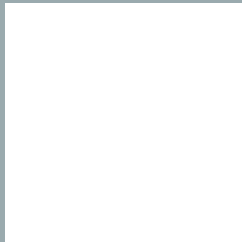
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.6755, 0.2953, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 38.6755, 0.2953, 0.3232.



This preview shows how white text looks on a background with the Yxy color 38.6755, 0.2953, 0.3232.

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

38.6755, 0.2953, 0.3232

Protanopia

38.5758, 0.3094, 0.3206

Deuteranopia

38.5590, 0.3164, 0.3101



Tritanopia

38.7219, 0.2899, 0.3105

Trichromacy



Original Color

38.6755, 0.2953, 0.3232

Protanomaly

38.4411, 0.3040, 0.3205

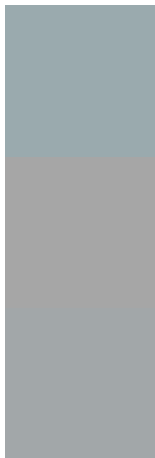
Deuteranomaly

38.5515, 0.3088, 0.3151

Tritanomaly

38.5992, 0.2922, 0.3147

Monochromacy



Original Color

38.6755, 0.2953, 0.3232

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.1834, 0.3065, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6755, 0.2953, 0.3232 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, 170, 174)` looks like.

```
.text, #text, p{  
    color:rgb(154, 170, 174)  
}
```

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, 170, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 170, 174) }
```

Border

The CSS property to change the border of an element to Yxy 38.6755, 0.2953, 0.3232 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, 170, 174) }
```

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

```
.border{ border-color:rgb(154, 170, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 170, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 170, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 170, 174);  
box-shadow:4px 4px 4px 4px rgb(154, 170,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6755, 0.2953, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 170, 174) }
```

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

```
.background{ background-color: rgb(154,  
170, 174) }
```

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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