

Converting Colors

$Y_{xy}(38.4670, 0.2872, 0.3209)$

Have a look what the booklet for
Yxy(38.4670, 0.2872, 0.3209)
contains.

Yxy(38.5032, 0.2872, 0.3202)	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(38.5032, 0.2872, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	93ABB1
RGB	147, 171, 177
RGB Percent	58%, 67%, 69%
CMY	0.4234, 0.3294, 0.3059
CMYK	0.17, 0.03, 0.00, 0.31
HSL	192°, 16%, 64%
HSV	192°, 17%, 69%
XYZ	34.5350, 38.5032, 47.2091
YIQ	164.5080, -16.2300, -3.2220

Conversions

Conversions Part 2

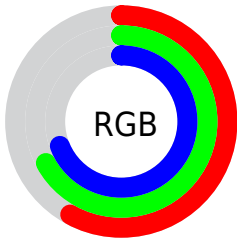
Format	Color
R_{YB}	147, 160, 177
Decimal	9677745
CIE _{Lab}	68.39, -6.96, -5.87
CIE _{LCh}	68, 9.109, 220.161
Yxy	38.5032, 0.2872, 0.3202
Android (android.graphics.Color)	4287867825 (0xFF93ABB1)
YUV	164.5080, 6.1586, -15.3545
Hunter-Lab	62.0509, -9.2433, -1.6729

Details

The Yxy color **38.5032, 0.2872, 0.3202** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.2493, 0.3430, 0.3376**, and the grayscale version is **37.3579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6934, 0.2916, 0.3212**, and **17.1357, 0.2800, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **35.6696, 0.2727, 0.3144**, and if you desaturate by 10%, it is **41.6277, 0.3022, 0.3256**.

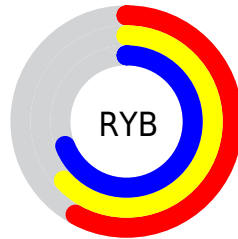
Distribution



Red (58%)

Green (67%)

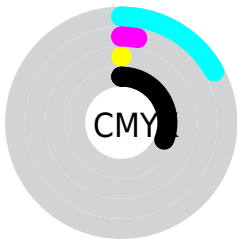
Blue (69%)



Red (58%)

Yellow (63%)

Blue (69%)

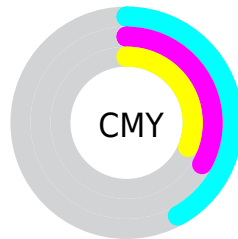


Cyan (17%)

Magenta (3%)

Yellow (0%)

Black (31%)



Cyan (42%)


Magenta (33%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5032, 0.2872, 0.3202 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 38.5032, 0.2872, 0.3202 by changing the saturation by 10% instead.


 38.5032, 0.2872,
0.3202


 38.5032, 0.2872,
0.3202


339.7737, 0.3003,
0.3249

 26.3735, 0.2838,
0.3189


 72.8788, 0.2920,
0.3220

 17.1032, 0.2794,
0.3173


 95.8934, 0.2938,
0.3226

 10.3081, 0.2735,
0.3150


123.3051, 0.2953,
0.3231

 5.6037, 0.2650,
0.3116

155.4983, 0.2966,
0.3236

 2.6057, 0.2517,
0.3060

192.8573, 0.2977,
0.3240

 0.9295, 0.2270,
0.2960

235.7666, 0.2987,

 0.0000, 0.0000,

0.3243

0.0000

284.6106, 0.2995,
0.3246

■ 38.5032, 0.2872,
0.3202

■ 38.5032, 0.2872,
0.3202

■ 35.6696, 0.2727,
0.3144

■ 41.6277, 0.3022,
0.3256

■ 33.1105, 0.2590,
0.3081

■ 45.0495, 0.3174,
0.3304

■ 30.8147, 0.2463,
0.3015

■ 48.7804, 0.3325,
0.3348

■ 28.7686, 0.2351,
0.2946

■ 52.8304, 0.3474,
0.3387

■ 26.9570, 0.2255,
0.2874

■ 57.2087, 0.3620,
0.3422

■ 25.3627, 0.2177,
0.2802

■ 61.9244, 0.3760,
0.3453

■ 23.9661, 0.2118,
0.2729

■ 63.8384, 0.3764,
0.3488

■ 22.7390, 0.2077,
0.2658

■ 65.4562, 0.3753,
0.3525

■ 22.3805, 0.2066,
0.2636

■ 67.1120, 0.3742,
0.3561

Harmonies

Analogous

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



38.5032, 0.2933, 0.3325



38.5032, 0.2872, 0.3202



38.5032, 0.2878, 0.3106

Triad

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



38.5032, 0.2872, 0.3202



38.5032, 0.3206, 0.3146



38.5032, 0.3305, 0.3524

Complementary

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



38.5032, 0.2872, 0.3202



34.2493, 0.3430, 0.3376

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.



38.5032, 0.3382, 0.3469



38.5032, 0.2872, 0.3202



38.5032, 0.3324, 0.3251

Square

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



38.5032, 0.2872, 0.3202



38.5032, 0.3069, 0.3077



38.5032, 0.3389, 0.3369



38.5032, 0.3182, 0.3515

Rectangle

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



38.5032, 0.2872, 0.3202



38.5032, 0.2919, 0.3070



38.5032, 0.3389, 0.3369



38.5032, 0.3338, 0.3512

Sweetspot

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



38.5048, 0.2872, 0.3202



75.6421, 0.3050, 0.3265



39.9528, 0.3059, 0.3647



16.3047, 0.3040, 0.3262



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.



38.5048, 0.2872, 0.3202



67.1702, 0.2822, 0.3183



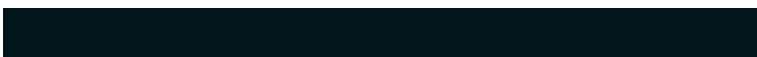
33.1639, 0.2862, 0.2978



9.3364, 0.2986, 0.3243



16.3011, 0.2068, 0.2644



0.5865, 0.2123, 0.2843

Inverse Universe

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



33.1637, 0.3204, 0.2958



56.0386, 0.3222, 0.2889



39.4650, 0.3396, 0.3583



8.6170, 0.3167, 0.3110



8.1857, 0.3782, 0.1857



0.2650, 0.3595, 0.1754

Previews

White Background



This preview shows how the Yxy color 38.5032, 0.2872, 0.3202 looks on a white background.

Color Contrast Check

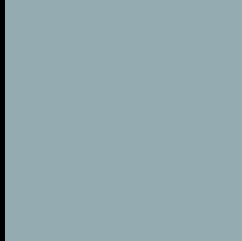
Large Text (above 18pt) WCAG AA × Fail

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 38.5032, 0.2872, 0.3202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

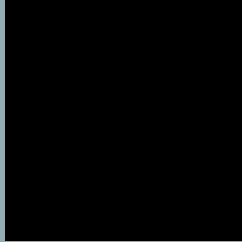
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

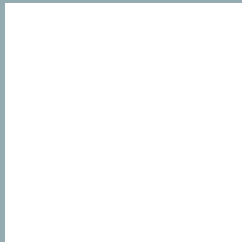
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.5032, 0.2872, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 38.5032, 0.2872, 0.3202.



This preview shows how white text looks on a background with the Yxy color 38.5032, 0.2872, 0.3202.

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

38.5032, 0.2872, 0.3202

Protanopia

38.1817, 0.3069, 0.3164

Deuteranopia

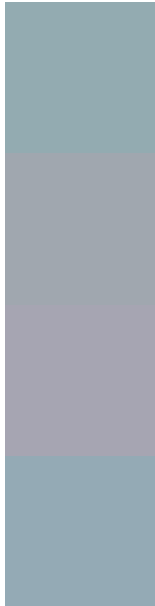
38.4424, 0.3119, 0.3060



Tritanopia

38.5060, 0.2827, 0.3089

Trichromacy



Original Color

38.5032, 0.2872, 0.3202

Protanomaly

38.2062, 0.2997, 0.3176

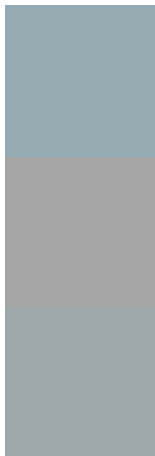
Deuteranomaly

38.2316, 0.3026, 0.3109

Tritanomaly

38.3815, 0.2849, 0.3131

Monochromacy



Original Color

38.5032, 0.2872, 0.3202

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.7711, 0.3029, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5032, 0.2872, 0.3202 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(147, 171, 177)` looks like.

```
.text, #text, p{  
    color:rgb(147, 171, 177)  
}
```

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(147, 171, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 171, 177) }
```

Border

The CSS property to change the border of an element to Yxy 38.5032, 0.2872, 0.3202 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(147, 171, 177) }
```

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

```
.border{ border-color:rgb(147, 171, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 171, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 171, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 171, 177);  
box-shadow:4px 4px 4px 4px rgb(147, 171,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5032, 0.2872, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 171, 177) }
```

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

```
.background{ background-color: rgb(147,  
171, 177) }
```

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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