

Converting Colors

$Yxy(38.6372, 0.3022, 0.3953)$

Have a look what the booklet for
Yxy(38.6372, 0.3022, 0.3953)
contains.

Yxy(38.6355, 0.3022, 0.3953)	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(38.6355, 0.3022, 0.3953)

Conversions

Conversions Part 1

Format	Color
Hex	80B389
RGB	128, 179, 137
RGB Percent	50%, 70%, 54%
CMY	0.4981, 0.2980, 0.4628
CMYK	0.28, 0.00, 0.23, 0.30
HSL	131°, 25%, 60%
HSV	131°, 28%, 70%
XYZ	29.5362, 38.6355, 29.5655
YIQ	158.9630, -16.9140, -23.8740

Conversions

Conversions Part 2

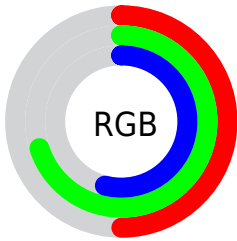
Format	Color
RYB	128, 171, 179
Decimal	8434569
CIELab	68.49, -25.50, 16.16
CIELCh	68, 30.184, 147.640
Yxy	38.6355, 0.3022, 0.3953
Android (android.graphics.Color)	4286624649 (0xFF80B389)
YUV	158.9630, -10.8278, -27.1546
Hunter-Lab	62.1575, -23.9554, 15.3087

Details

The Yxy color **38.6355, 0.3022, 0.3953** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.9230, 0.3254, 0.2707**, and the grayscale version is **34.7092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0795, 0.3050, 0.3824**, and **17.1876, 0.2977, 0.4180** is the 20% darker color. If you saturate the color by 10%, you get **36.9749, 0.2988, 0.4234**, and if you desaturate by 10%, it is **40.6021, 0.3059, 0.3696**.

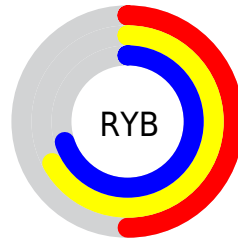
Distribution



Red (50%)

Green (70%)

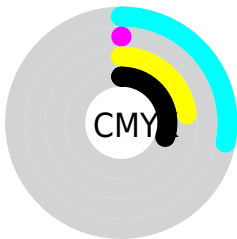
Blue (54%)



Red (50%)

Yellow (67%)

Blue (70%)

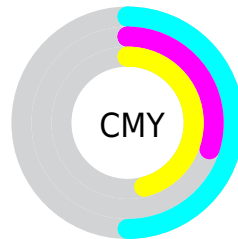


Cyan (28%)

Magenta (0%)

Yellow (23%)

Black (30%)



Cyan (50%)


Magenta (30%)


Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6355, 0.3022, 0.3953 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 38.6355, 0.3022, 0.3953 by changing the saturation by 10% instead.


 38.6355, 0.3022,
0.3953


 38.6355, 0.3022,
0.3953


340.3383, 0.3083,
0.3597


 26.4763, 0.3003,
0.4050


 73.0812, 0.3047,
0.3818

 17.1803, 0.2977,
0.4181


 96.1364, 0.3055,
0.3769

 10.3631, 0.2938,
0.4364


 123.5924, 0.3062,
0.3728

 5.6404, 0.2875,
0.4640

155.8336, 0.3068,
0.3694

 2.6277, 0.2756,
0.5099

193.2444, 0.3072,
0.3665

 0.9406, 0.2234,
0.7766

236.2092, 0.3077,

 0.0000, 0.0000,

0.3639

0.0000

285.1124, 0.3080,
0.3617

■ 38.6355, 0.3022,
0.3953

■ 38.6355, 0.3022,
0.3953

■ 36.9749, 0.2988,
0.4234

■ 40.6021, 0.3059,
0.3696

■ 35.6001, 0.2959,
0.4533

■ 42.8838, 0.3096,
0.3465

■ 34.4962, 0.2936,
0.4839

■ 45.4955, 0.3133,
0.3261

■ 33.6451, 0.2924,
0.5137

■ 48.4498, 0.3168,
0.3083

■ 33.0261, 0.2923,
0.5410

■ 51.7584, 0.3202,
0.2927

■ 32.6155, 0.2933,
0.5639

■ 55.4325, 0.3233,
0.2793

■ 32.3743, 0.2952,
0.5813

■ 59.4829, 0.3262,
0.2677

■ 32.3446, 0.2954,
0.5834

■ 60.7177, 0.3163,
0.2547

■ 60.7225, 0.3162,
0.2546

Harmonies

Analogous

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



38.6355, 0.3467, 0.4103



38.6355, 0.3022, 0.3953



38.6355, 0.2624, 0.3578

Triad

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



38.6355, 0.3022, 0.3953



38.6355, 0.2440, 0.2594



38.6355, 0.3945, 0.3356

Complementary

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



38.6355, 0.3022, 0.3953



27.9230, 0.3254, 0.2707

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.



38.6355, 0.3631, 0.3009



38.6355, 0.3022, 0.3953



38.6355, 0.2751, 0.2584

Square

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



38.6355, 0.3022, 0.3953



38.6355, 0.2307, 0.2781



38.6355, 0.3184, 0.2734



38.6355, 0.4019, 0.3712

Rectangle

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



38.6355, 0.3022, 0.3953



38.6355, 0.2435, 0.3279



38.6355, 0.3184, 0.2734



38.6355, 0.3864, 0.3236

Sweetspot

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



38.6371, 0.3022, 0.3953



76.5134, 0.3093, 0.3479



42.4031, 0.3470, 0.4009



16.8142, 0.3088, 0.3511



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.6371, 0.3022, 0.3953



67.3215, 0.3001, 0.4121



39.4398, 0.2839, 0.3549



9.5138, 0.3093, 0.3483



22.8616, 0.2950, 0.5819



0.7267, 0.2819, 0.5347

Inverse Universe

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



27.9230, 0.3254, 0.2707



45.0652, 0.3288, 0.2582



27.0648, 0.3537, 0.3046



8.6205, 0.3164, 0.3104



8.2785, 0.3705, 0.1814



0.2672, 0.3545, 0.1726

Previews

White Background



This preview shows how the Yxy color 38.6355, 0.3022, 0.3953 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 38.6355, 0.3022, 0.3953 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 38.6355, 0.3022, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 38.6355, 0.3022, 0.3953.



This preview shows how white text looks on a background with the Yxy color 38.6355, 0.3022, 0.3953.

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

38.6355, 0.3022, 0.3953

Protanopia

38.2582, 0.3548, 0.3785

Deuteranopia

38.1411, 0.3615, 0.3547



Tritanopia

38.3686, 0.2728, 0.3085

Trichromacy



Original Color

38.6355, 0.3022, 0.3953

Protanomaly

38.1902, 0.3339, 0.3854

Deuteranomaly

37.8557, 0.3374, 0.3681

Tritanomaly

38.5554, 0.2838, 0.3395

Monochromacy



Original Color

38.6355, 0.3022, 0.3953

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.8027, 0.3089, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6355, 0.3022, 0.3953 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(128, 179, 137)` looks like.

```
.text, #text, p{  
    color:rgb(128, 179, 137)  
}
```

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(128, 179, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 179, 137) }
```

Border

The CSS property to change the border of an element to Yxy 38.6355, 0.3022, 0.3953 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(128, 179, 137) }
```

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

```
.border{ border-color:rgb(128, 179, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 179, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 179, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 179, 137);  
box-shadow:4px 4px 4px 4px rgb(128, 179,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6355, 0.3022, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 179, 137) }
```

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

```
.background{ background-color: rgb(128,  
179, 137) }
```

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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