

Converting Colors

$Yxy(38.9195, 0.2474, 0.3739)$

Have a look what the booklet for
Yxy(38.9195, 0.2474, 0.3739)
contains.

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Color

Yxy(38.9195, 0.2474, 0.3739)

Conversions

Conversions Part 1

Format	Color
Hex	38BBA0
RGB	56, 187, 160
RGB Percent	22%, 73%, 63%
CMY	0.7799, 0.2667, 0.3725
CMYK	0.70, 0.00, 0.14, 0.27
HSL	168°, 54%, 48%
HSV	168°, 70%, 73%
XYZ	25.7520, 38.9195, 39.4191
YIQ	144.7530, -69.4090, -36.1690

Conversions

Conversions Part 2

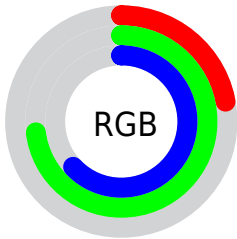
Format	Color
RYB	56, 129, 187
Decimal	3718048
CIELab	68.69, -41.52, 3.48
CIElCh	69, 41.661, 175.209
Yxy	38.9195, 0.2474, 0.3739
Android (android.graphics.Color)	4281908128 (0xFF38BBA0)
YUV	144.7530, 7.5168, -77.8364
Hunter-Lab	62.3855, -35.4918, 6.2066

Details

The Yxy color **38.9195, 0.2474, 0.3739** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **14.0299, 0.4976, 0.2974**, and the grayscale version is **28.2140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6007, 0.2596, 0.3649**, and **17.8792, 0.2405, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **38.3451, 0.2443, 0.3814**, and if you desaturate by 10%, it is **39.7024, 0.2524, 0.3665**.

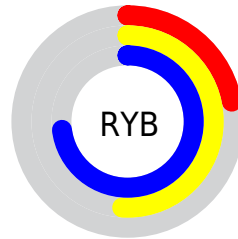
Distribution



Red (22%)

Green (73%)

Blue (63%)



Red (22%)

Yellow (51%)

Blue (73%)

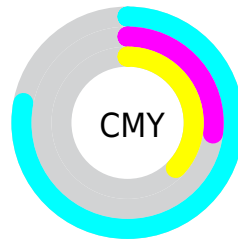


Cyan (70%)

Magenta (0%)

Yellow (14%)

Black (27%)



Cyan (78%)


Magenta (27%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9195, 0.2474, 0.3739 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 38.9195, 0.2474, 0.3739 by changing the saturation by 10% instead.


 38.9195, 0.2474,
0.3739


 38.9195, 0.2474,
0.3739

341.5481, 0.2810,
0.3505


 26.6971, 0.2387,
0.3801


 73.5153, 0.2598,
0.3651


 17.3459, 0.2275,
0.3882


 96.6576, 0.2644,
0.3619


 10.4814, 0.2123,
0.3993


 124.2085, 0.2683,
0.3592

 5.7193, 0.1907,
0.4155

 156.5526, 0.2716,
0.3570

 2.6752, 0.1580,
0.4409

 194.0742, 0.2744,
0.3550

 0.9646, 0.0000,
0.5452

237.1577, 0.2769,

 0.0000, 0.0000,

0.3533

0.0000

286.1876, 0.2791,
0.3518

■ 38.9195, 0.2474,
0.3739

■ 38.9195, 0.2474,
0.3739

■ 38.3451, 0.2443,
0.3814

■ 39.7024, 0.2524,
0.3665

■ 37.9509, 0.2431,
0.3889

■ 40.7094, 0.2593,
0.3593

■ 37.6908, 0.2434,
0.3963

■ 41.9596, 0.2678,
0.3524

■ 37.6906, 0.2434,
0.3963

■ 43.4690, 0.2776,
0.3458

■ 45.2522, 0.2886,
0.3397

■ 47.3225, 0.3004,
0.3341

■ 49.6926, 0.3127,
0.3290

■ 52.3742, 0.3254,
0.3244

■ 55.3785, 0.3381,
0.3203

Harmonies

Analogous

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



38.9195, 0.3015, 0.4262



38.9195, 0.2474, 0.3739



38.9195, 0.2128, 0.3104

Triad

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



38.9195, 0.2474, 0.3739



38.9195, 0.2570, 0.2345



38.9195, 0.4355, 0.3792

Complementary

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



38.9195, 0.2474, 0.3739



14.0299, 0.4976, 0.2974

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.



38.9195, 0.4234, 0.3317



38.9195, 0.2474, 0.3739



38.9195, 0.3144, 0.2528

Square

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



38.9195, 0.2474, 0.3739



38.9195, 0.2183, 0.2364



38.9195, 0.3771, 0.2872



38.9195, 0.4114, 0.4207

Rectangle

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



38.9195, 0.2474, 0.3739



38.9195, 0.2035, 0.2753



38.9195, 0.3771, 0.2872



38.9195, 0.4357, 0.3635

Sweetspot

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



38.9210, 0.2474, 0.3739



80.5913, 0.2871, 0.3405



37.7317, 0.3179, 0.5407



17.5456, 0.2840, 0.3422



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.9210, 0.2474, 0.3739



68.2642, 0.2434, 0.3854



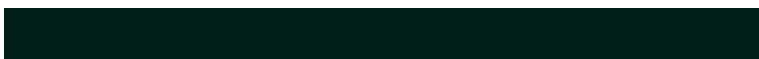
26.2166, 0.2179, 0.2657



10.7749, 0.3012, 0.3338



25.9816, 0.2432, 0.3954



1.0264, 0.2382, 0.3776

Inverse Universe

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



14.0299, 0.4976, 0.2974



20.9465, 0.5591, 0.3011



18.7145, 0.5038, 0.3750



9.5677, 0.3257, 0.3243



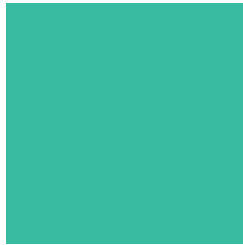
7.3868, 0.6033, 0.3097



0.2990, 0.5369, 0.2731

Previews

White Background



This preview shows how the Yxy color 38.9195, 0.2474, 0.3739 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 38.9195, 0.2474, 0.3739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

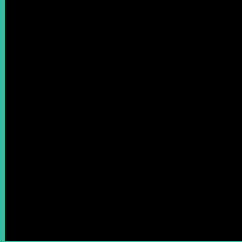
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

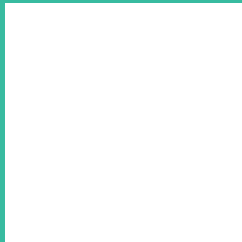
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.9195, 0.2474, 0.3739

Background



This preview shows how black text looks on a background with the Yxy color 38.9195, 0.2474, 0.3739.

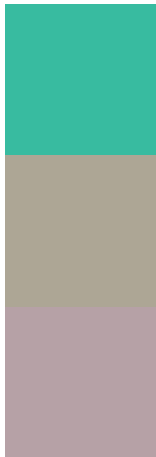


This preview shows how white text looks on a background with the Yxy color 38.9195, 0.2474, 0.3739.

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

38.9195, 0.2474, 0.3739

Protanopia

38.3266, 0.3344, 0.3531

Deuteranopia

38.1880, 0.3284, 0.3223



Tritanopia

38.9430, 0.2327, 0.3058

Trichromacy



Original Color

38.9195, 0.2474, 0.3739



Protanomaly

37.3178, 0.2917, 0.3617



Deuteranomaly

36.6640, 0.2880, 0.3381



Tritanomaly

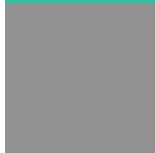
38.9350, 0.2373, 0.3288

Monochromacy



Original Color

38.9195, 0.2474, 0.3739



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.8543, 0.2789, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9195, 0.2474, 0.3739 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(56, 187, 160)` looks like.

```
.text, #text, p{  
    color:rgb(56, 187, 160)  
}
```

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(56, 187, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 187, 160) }
```

Border

The CSS property to change the border of an element to Yxy 38.9195, 0.2474, 0.3739 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(56, 187, 160) }
```

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

```
.border{ border-color:rgb(56, 187, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 187, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 187, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 187, 160);  
box-shadow:4px 4px 4px 4px rgb(56, 187,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9195, 0.2474, 0.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 187, 160) }
```

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

```
.background{ background-color: rgb(56, 187,  
160) }
```

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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