

Converting Colors

$Y_{xy}(39.7175, 0.2474, 0.3771)$

Have a look what the booklet for
Yxy(39.7175, 0.2474, 0.3771)
contains.

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Color

Yxy(39.7175, 0.2474, 0.3771)

Conversions

Conversions Part 1

Format	Color
Hex	36BDA0
RGB	54, 189, 160
RGB Percent	21%, 74%, 63%
CMY	0.7889, 0.2588, 0.3726
CMYK	0.72, 0.00, 0.15, 0.26
HSL	167°, 56%, 48%
HSV	167°, 72%, 74%
XYZ	26.0570, 39.7175, 39.5490
YIQ	145.3290, -71.1510, -37.6390

Conversions

Conversions Part 2

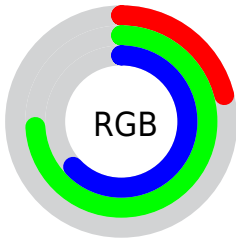
Format	Color
R _{YB}	54, 130, 189
Decimal	3587488
CIE Lab	69.27, -42.72, 4.31
CIE LCh	69, 42.939, 174.234
Yxy	39.7175, 0.2474, 0.3771
Android (android.graphics.Color)	4281777568 (0xFF36BDA0)
YUV	145.3290, 7.2328, -80.0955
Hunter-Lab	63.0218, -36.4855, 6.9082

Details

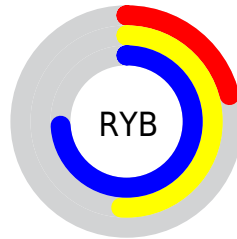
The Yxy color **39.7175, 0.2474, 0.3771** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **14.0659, 0.5019, 0.2959**, and the grayscale version is **28.4299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7398, 0.2596, 0.3673**, and **18.4321, 0.2416, 0.3898** is the 20% darker color. If you saturate the color by 10%, you get **39.1558, 0.2447, 0.3850**, and if you desaturate by 10%, it is **40.4899, 0.2521, 0.3693**.

Distribution



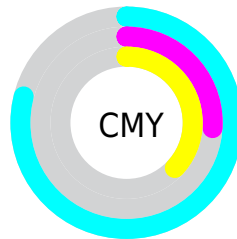
- Red (21%)
- Green (74%)
- Blue (63%)



- Red (21%)
- Yellow (51%)
- Blue (74%)



- Cyan (72%)
- Magenta (0%)
- Yellow (15%)
- Black (26%)





- Cyan (79%)
- Magenta (26%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7175, 0.2474, 0.3771 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 39.7175, 0.2474, 0.3771 by changing the saturation by 10% instead.


 39.7175, 0.2474,
0.3771


 39.7175, 0.2474,
0.3771


344.9314, 0.2809,
0.3520

 27.3184, 0.2388,
0.3837


 74.7331, 0.2598,
0.3677


 17.8125, 0.2276,
0.3924


 98.1184, 0.2644,
0.3643

 10.8154, 0.2124,
0.4044


 125.9345, 0.2682,
0.3614

 5.9429, 0.1910,
0.4218

 158.5659, 0.2715,
0.3589

 2.8104, 0.1587,
0.4492

 196.3969, 0.2744,
0.3568

 1.0335, 0.0000,
0.5590

239.8118, 0.2768,

 0.0000, 0.0000,

0.3550

0.0000

289.1952, 0.2790,
0.3534

■ 39.7175, 0.2474,
0.3771

■ 39.7175, 0.2474,
0.3771

■ 39.1558, 0.2447,
0.3850

■ 40.4899, 0.2521,
0.3693

■ 38.7750, 0.2439,
0.3928

■ 41.4894, 0.2586,
0.3617

■ 38.5535, 0.2443,
0.3994

■ 42.7361, 0.2668,
0.3545

■ 44.2467, 0.2763,
0.3476

■ 46.0361, 0.2871,
0.3411

■ 48.1184, 0.2987,
0.3352

■ 50.5067, 0.3108,
0.3298

■ 53.2131, 0.3233,
0.3249

■ 56.2493, 0.3359,
0.3205

Harmonies

Analogous

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



39.7175, 0.3031, 0.4299



39.7175, 0.2474, 0.3771



39.7175, 0.2114, 0.3118

Triad

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



39.7175, 0.2474, 0.3771



39.7175, 0.2541, 0.2323



39.7175, 0.4385, 0.3784

Complementary

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



39.7175, 0.2474, 0.3771



14.0659, 0.5019, 0.2959

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.



39.7175, 0.4250, 0.3300



39.7175, 0.2474, 0.3771



39.7175, 0.3122, 0.2504

Square

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



39.7175, 0.2474, 0.3771



39.7175, 0.2155, 0.2349



39.7175, 0.3767, 0.2849



39.7175, 0.4148, 0.4214

Rectangle

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



39.7175, 0.2474, 0.3771



39.7175, 0.2014, 0.2755



39.7175, 0.3767, 0.2849



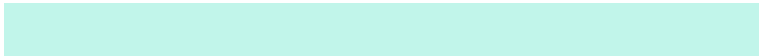
39.7175, 0.4384, 0.3624

Sweetspot

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



39.7190, 0.2474, 0.3771



82.4999, 0.2873, 0.3410



38.5108, 0.3175, 0.5449



17.5396, 0.2842, 0.3427



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.



39.7190, 0.2474, 0.3771



69.6805, 0.2440, 0.3895



26.4956, 0.2165, 0.2641



10.7735, 0.3013, 0.3340



25.9472, 0.2440, 0.3984



1.0253, 0.2388, 0.3798

Inverse Universe

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



14.0659, 0.5019, 0.2959



21.1075, 0.5642, 0.3008



18.7633, 0.5098, 0.3753



9.5690, 0.3255, 0.3241



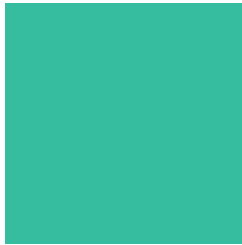
7.3944, 0.6009, 0.3084



0.2995, 0.5336, 0.2713

Previews

White Background



This preview shows how the Yxy color 39.7175, 0.2474, 0.3771 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 39.7175, 0.2474, 0.3771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

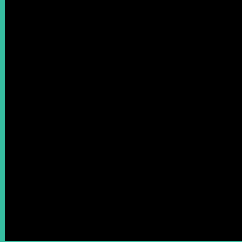
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

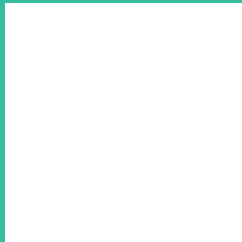
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7175, 0.2474, 0.3771

Background



This preview shows how black text looks on a background with the Yxy color 39.7175, 0.2474, 0.3771.



This preview shows how white text looks on a background with the Yxy color 39.7175, 0.2474, 0.3771.

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

39.7175, 0.2474, 0.3771

Protanopia

38.8895, 0.3370, 0.3558

Deuteranopia

38.9081, 0.3312, 0.3237



Tritanopia

39.7747, 0.2325, 0.3074

Trichromacy



Original Color

39.7175, 0.2474, 0.3771



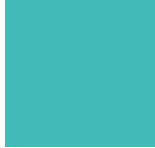
Protanomaly

37.7522, 0.2933, 0.3647



Deuteranomaly

37.5037, 0.2889, 0.3411



Tritanomaly

39.7368, 0.2377, 0.3319

Monochromacy



Original Color

39.7175, 0.2474, 0.3771



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.1365, 0.2782, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7175, 0.2474, 0.3771 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(54, 189, 160)` looks like.

```
.text, #text, p{  
    color:rgb(54, 189, 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(54, 189, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 189, 160) }
```

Border

The CSS property to change the border of an element to Yxy 39.7175, 0.2474, 0.3771 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(54, 189, 160) }
```

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

```
.border{ border-color:rgb(54, 189, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 189, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(54, 189, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(54, 189, 160); box-shadow:4px 4px 4px 4px rgb(54, 189, 160) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7175, 0.2474, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 189, 160) }
```

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

```
.background{ background-color: rgb(54, 189,  
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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