

Converting Colors

$Y_{xy}(39.5775, 0.2358, 0.3526)$

Have a look what the booklet for
Yxy(39.5775, 0.2358, 0.3526)
contains.

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Color

Yxy(39.4345, 0.2357, 0.3517)

Conversions

Conversions Part 1

Format	Color
Hex	26BCAE
RGB	38, 188, 174
RGB Percent	15%, 74%, 68%
CMY	0.8502, 0.2628, 0.3176
CMYK	0.80, 0.00, 0.07, 0.26
HSL	174°, 66%, 44%
HSV	174°, 80%, 74%
XYZ	26.4280, 39.4345, 46.2629
YIQ	141.5540, -84.9060, -36.1540

Conversions

Conversions Part 2

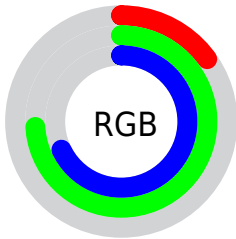
Format	Color
R _Y B	38, 117, 188
Decimal	2538670
CIE Lab	69.06, -40.31, -3.69
CIE LCh	69, 40.481, 185.234
Yxy	39.4345, 0.2357, 0.3517
Android (android.graphics.Color)	4280728750 (0xFF26BCAE)
YUV	141.5540, 15.9959, -90.8169
Hunter-Lab	62.7969, -34.7732, 0.2784

Details

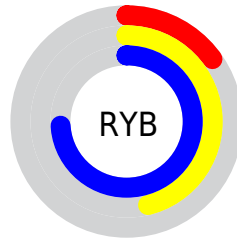
The Yxy color **39.4345, 0.2357, 0.3517** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **12.3400, 0.5672, 0.3173**, and the grayscale version is **26.8503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3415, 0.2501, 0.3484**, and **18.4553, 0.2322, 0.3561** is the 20% darker color. If you saturate the color by 10%, you get **39.0945, 0.2335, 0.3549**, and if you desaturate by 10%, it is **39.9590, 0.2397, 0.3485**.

Distribution



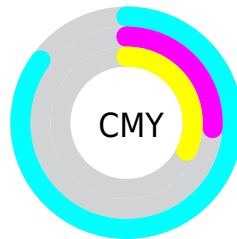
- Red (15%)
- Green (74%)
- Blue (68%)



- Red (15%)
- Yellow (46%)
- Blue (74%)



- Cyan (80%)
- Magenta (0%)
- Yellow (7%)
- Black (26%)




- Cyan (85%)
- Magenta (26%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4345, 0.2357, 0.3517 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 39.4345, 0.2357, 0.3517 by changing the saturation by 10% instead.


 39.4345, 0.2357,
0.3517

 39.4345, 0.2357,
0.3517

343.7343, 0.2746,
0.3407


 27.0979, 0.2259,
0.3543


 74.3016, 0.2499,
0.3478


 17.6468, 0.2134,
0.3576


 97.6009, 0.2552,
0.3463

 10.6967, 0.1967,
0.3617


 125.3233, 0.2597,
0.3450

 5.8633, 0.1736,
0.3670

 157.8531, 0.2636,
0.3439

 2.7621, 0.1401,
0.3738

 195.5746, 0.2669,
0.3429

 1.0088, 0.0000,
0.4180

238.8724, 0.2698,

 0.0000, 0.0000,

0.3421

0.0000

288.1309, 0.2723,
0.3413

■ 39.4345, 0.2357,
0.3517

■ 39.4345, 0.2357,
0.3517

■ 39.0945, 0.2335,
0.3549

■ 39.9590, 0.2397,
0.3485

■ 38.8886, 0.2328,
0.3580

■ 40.6874, 0.2456,
0.3454

■ 38.8825, 0.2328,
0.3581

■ 41.6414, 0.2533,
0.3422

■ 42.8389, 0.2628,
0.3392

■ 44.2959, 0.2738,
0.3364

■ 46.0271, 0.2860,
0.3337

■ 48.0460, 0.2993,
0.3312

■ 50.3653, 0.3132,
0.3289

■ 52.9969, 0.3275,
0.3269

Harmonies

Analogous

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



39.4345, 0.2831, 0.4089



39.4345, 0.2357, 0.3517



39.4345, 0.2098, 0.2931

Triad

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



39.4345, 0.2357, 0.3517



39.4345, 0.2758, 0.2411



39.4345, 0.4274, 0.3927

Complementary

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



39.4345, 0.2357, 0.3517



12.3400, 0.5672, 0.3173

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.



39.4345, 0.4278, 0.3474



39.4345, 0.2357, 0.3517



39.4345, 0.3351, 0.2647

Square

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



39.4345, 0.2357, 0.3517



39.4345, 0.2313, 0.2361



39.4345, 0.3929, 0.3023



39.4345, 0.3945, 0.4279

Rectangle

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



39.4345, 0.2357, 0.3517



39.4345, 0.2062, 0.2637



39.4345, 0.3929, 0.3023



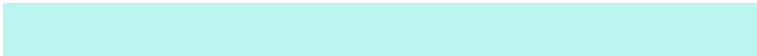
39.4345, 0.4316, 0.3781

Sweetspot

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



39.4360, 0.2357, 0.3517



81.8794, 0.2801, 0.3349



36.8672, 0.3067, 0.5707



17.3730, 0.2758, 0.3359



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.



39.4360, 0.2357, 0.3517



70.5664, 0.2330, 0.3573



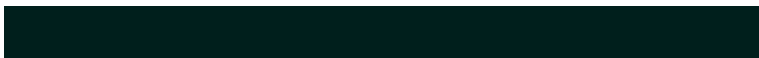
19.5059, 0.2012, 0.2228



10.7938, 0.2997, 0.3311



26.4810, 0.2327, 0.3577



1.0418, 0.2306, 0.3502

Inverse Universe

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



12.3400, 0.5672, 0.3173



19.6920, 0.6243, 0.3239



19.5904, 0.5161, 0.3970



9.5505, 0.3274, 0.3269



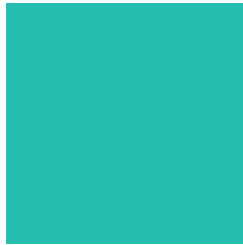
7.3131, 0.6279, 0.3232



0.2914, 0.5872, 0.3009

Previews

White Background



This preview shows how the Yxy color 39.4345, 0.2357, 0.3517 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 39.4345, 0.2357, 0.3517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

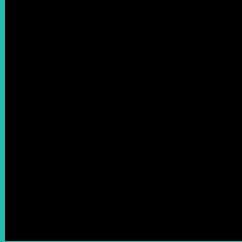
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

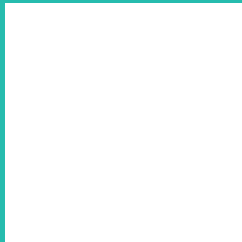
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.4345, 0.2357, 0.3517

Background



This preview shows how black text looks on a background with the Yxy color 39.4345, 0.2357, 0.3517.

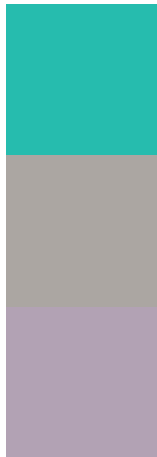


This preview shows how white text looks on a background with the Yxy color 39.4345, 0.2357, 0.3517.

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

39.4345, 0.2357, 0.3517

Protanopia

38.5390, 0.3209, 0.3346

Deuteranopia

38.6009, 0.3120, 0.3047



Tritanopia

39.2744, 0.2268, 0.3057

Trichromacy



Original Color

39.4345, 0.2357, 0.3517



Protanomaly

37.2362, 0.2767, 0.3413



Deuteranomaly

36.8522, 0.2708, 0.3183



Tritanomaly

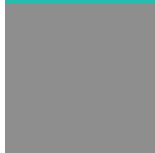
39.0937, 0.2295, 0.3209

Monochromacy



Original Color

39.4345, 0.2357, 0.3517



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.0724, 0.2686, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4345, 0.2357, 0.3517 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(38, 188, 174)` looks like.

```
.text, #text, p{  
    color:rgb(38, 188, 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(38, 188, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 188, 174) }
```

Border

The CSS property to change the border of an element to Yxy 39.4345, 0.2357, 0.3517 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(38, 188, 174) }
```

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

```
.border{ border-color:rgb(38, 188, 174) }
```

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

Here you see how a box with a 4 pixel rgb(38, 188, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 188, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 188, 174);  
box-shadow:4px 4px 4px 4px rgb(38, 188,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4345, 0.2357, 0.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 188, 174) }
```

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

```
.background{ background-color: rgb(38, 188,  
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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