

Converting Colors

Yxy(55.4654, 0.2439, 0.3862)

Have a look what the booklet for
Yxy(55.4654, 0.2439, 0.3862)
contains.

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Color

Yxy(55.4654, 0.2439, 0.3862)

Conversions

Conversions Part 1

Format	Color
Hex	24DDB6
RGB	36, 221, 182
RGB Percent	14%, 87%, 71%
CMY	0.8588, 0.1333, 0.2862
CMYK	0.84, 0.00, 0.18, 0.13
HSL	167°, 73%, 50%
HSV	167°, 84%, 87%
XYZ	35.0285, 55.4654, 53.1244
YIQ	161.2390, -97.7410, -51.3490

Conversions

Conversions Part 2

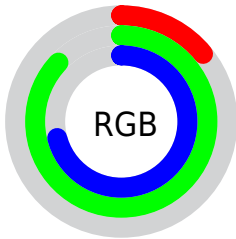
Format	Color
<code>RYB</code>	<code>36, 139, 221</code>
Decimal	<code>2416054</code>
CIELab	<code>79.31, -52.33, 6.88</code>
CIELCh	<code>79, 52.783, 172.515</code>
Yxy	<code>55.4654, 0.2439, 0.3862</code>
Android (<code>android.graphics.Color</code>)	<code>4280606134 (0xFF24DDB6)</code>
YUV	<code>161.2390, 10.2352, -109.8346</code>
Hunter-Lab	<code>74.4751, -46.3760, 9.8399</code>

Details

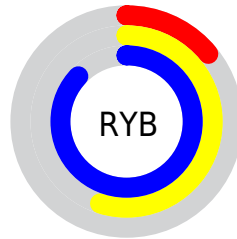
The Yxy color **55.4654, 0.2439, 0.3862** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.1421, 0.5550, 0.2999**, and the grayscale version is **35.7444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4750, 0.2506, 0.3489**, and **28.4952, 0.2444, 0.3999** is the 20% darker color. If you saturate the color by 10%, you get **54.9956, 0.2436, 0.3939**, and if you desaturate by 10%, it is **56.1908, 0.2461, 0.3784**.

Distribution



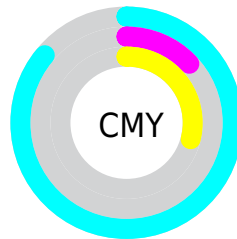
- Red (14%)
- Green (87%)
- Blue (71%)



- Red (14%)
- Yellow (55%)
- Blue (87%)



- Cyan (84%)
- Magenta (0%)
- Yellow (18%)
- Black (13%)



- Cyan (86%)
- Magenta (13%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4654, 0.2439, 0.3862 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 55.4654, 0.2439, 0.3862 by changing the saturation by 10% instead.

 55.4654, 0.2439,
0.3862

 55.4654, 0.2439,
0.3862


407.6737, 0.2774,
0.3577


 39.7745, 0.2358,
0.3933


 98.2225, 0.2559,
0.3759


 27.3627, 0.2256,
0.4023


 126.0575, 0.2604,
0.3720


 17.8458, 0.2124,
0.4142


 158.7092, 0.2643,
0.3687

 10.8394, 0.1946,
0.4307

 196.5621, 0.2677,
0.3659

 5.9589, 0.1696,
0.4548

 240.0007, 0.2706,
0.3634

 2.8201, 0.1319,
0.4932

289.4092, 0.2731,

 1.0386, 0.0000,

0.3613

0.6182

345.1720, 0.2754,
0.3594

■ 0.0000, 0.0000,
0.0000

■ 55.4654, 0.2439,
0.3862

■ 55.4654, 0.2439,
0.3862

■ 54.9956, 0.2436,
0.3939

■ 56.1908, 0.2461,
0.3784


■ 54.7872, 0.2441,
0.3987

■ 57.2048, 0.2503,
0.3707

■ 58.5417, 0.2564,
0.3631


■ 60.2298, 0.2642,
0.3558

■ 62.2938, 0.2736,
0.3489

 64.7565, 0.2843,
0.3424

 67.6387, 0.2958,
0.3364

 70.9598, 0.3081,
0.3309

 74.7379, 0.3207,
0.3260

Harmonies

Analogous

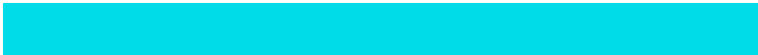
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.4654, 0.3052, 0.4434



55.4654, 0.2439, 0.3862



55.4654, 0.2038, 0.3132

Triad

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



55.4654, 0.2439, 0.3862



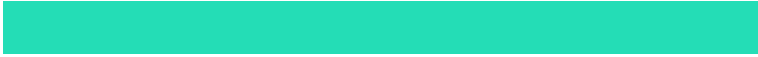
55.4654, 0.2455, 0.2236



55.4654, 0.4510, 0.3785

Complementary

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



55.4654, 0.2439, 0.3862



17.1421, 0.5550, 0.2999

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.



55.4654, 0.4341, 0.3263



55.4654, 0.2439, 0.3862



55.4654, 0.3078, 0.2420

Square

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



55.4654, 0.2439, 0.3862



55.4654, 0.2054, 0.2273



55.4654, 0.3790, 0.2783



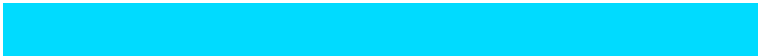
55.4654, 0.4263, 0.4267

Rectangle

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



55.4654, 0.2439, 0.3862



55.4654, 0.1922, 0.2726



55.4654, 0.3790, 0.2783



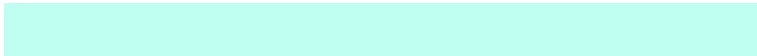
55.4654, 0.4502, 0.3611

Sweetspot

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



55.4675, 0.2439, 0.3862



89.0136, 0.2826, 0.3433



53.3816, 0.3136, 0.5741



18.7870, 0.2788, 0.3456



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



55.4675, 0.2439, 0.3862



75.7495, 0.2443, 0.3993



33.8175, 0.2063, 0.2502



14.7801, 0.3010, 0.3340



31.8429, 0.2438, 0.3975



2.0750, 0.2403, 0.3850

Inverse Universe

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



17.1421, 0.5550, 0.2999



21.5239, 0.6088, 0.3127



22.5481, 0.5568, 0.3730



13.0962, 0.3259, 0.3241



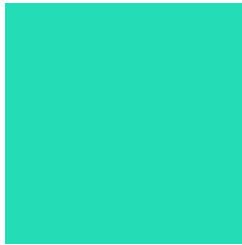
9.0606, 0.6036, 0.3099



0.5997, 0.5579, 0.2847

Previews

White Background



This preview shows how the Yxy color 55.4654, 0.2439, 0.3862 looks on a white background.

Color Contrast Check

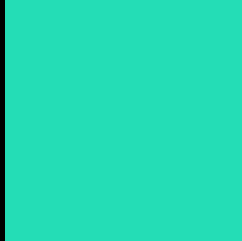
Large Text (above 18pt) WCAG AA × Fail

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 55.4654, 0.2439, 0.3862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

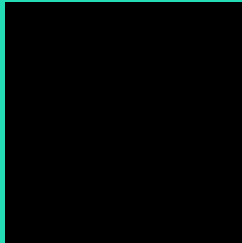
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

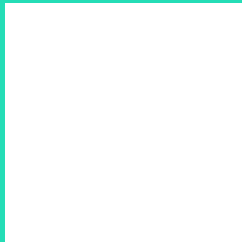
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.4654, 0.2439, 0.3862

Background



This preview shows how black text looks on a background with the Yxy color 55.4654, 0.2439, 0.3862.

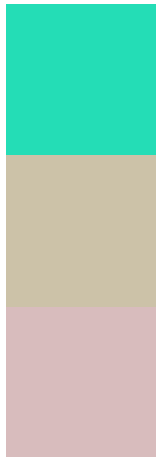


This preview shows how white text looks on a background with the Yxy color 55.4654, 0.2439, 0.3862.

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

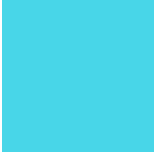
55.4654, 0.2439, 0.3862

Protanopia

54.2481, 0.3410, 0.3609

Deuteranopia

54.2395, 0.3354, 0.3279



Tritanopia

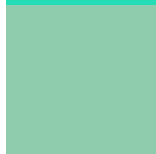
55.2970, 0.2276, 0.3048

Trichromacy



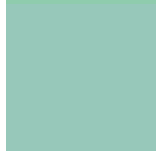
Original Color

55.4654, 0.2439, 0.3862



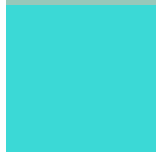
Protanomaly

52.0425, 0.2891, 0.3719



Deuteranomaly

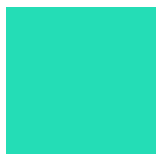
51.4330, 0.2859, 0.3478



Tritanomaly

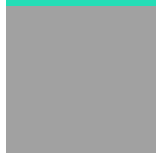
55.4106, 0.2328, 0.3329

Monochromacy



Original Color

55.4654, 0.2439, 0.3862



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

40.4445, 0.2711, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4654, 0.2439, 0.3862 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(36, 221, 182)` looks like.

```
.text, #text, p{  
    color:rgb(36, 221, 182)  
}
```

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(36, 221, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 221, 182) }
```

Border

The CSS property to change the border of an element to Yxy 55.4654, 0.2439, 0.3862 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(36, 221, 182) }
```

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

```
.border{ border-color:rgb(36, 221, 182) }
```

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

Here you see how a box with a 4 pixel rgb(36, 221, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 221, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 221, 182);  
box-shadow:4px 4px 4px 4px rgb(36, 221,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4654, 0.2439, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 221, 182) }
```

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

```
.background{ background-color: rgb(36, 221,  
182) }
```

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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