

Converting Colors

$Y_{xy}(54.9284, 0.2474, 0.4039)$

Have a look what the booklet for
Yxy(54.9284, 0.2474, 0.4039)
contains.

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Color

Yxy(54.8599, 0.2475, 0.4039)

Conversions

Conversions Part 1

Format	Color
Hex	19DDAB
RGB	25, 221, 171
RGB Percent	10%, 87%, 67%
CMY	0.9002, 0.1334, 0.3294
CMYK	0.88, 0.00, 0.23, 0.13
HSL	165°, 79%, 48%
HSV	165°, 88%, 87%
XYZ	33.6168, 54.8599, 47.3488
YIQ	156.6960, -100.7660, -57.1020

Conversions

Conversions Part 2

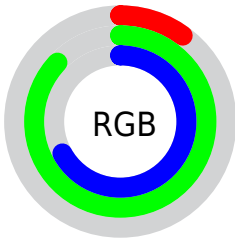
Format	Color
RYB	25, 137, 221
Decimal	1695147
CIELab	78.96, -55.71, 12.20
CIELCh	79, 57.035, 167.647
Yxy	54.8599, 0.2475, 0.4039
Android (android.graphics.Color)	4279885227 (0xFF19DDAB)
YUV	156.6960, 7.0519, -115.4974
Hunter-Lab	74.0675, -48.6028, 13.9452

Details

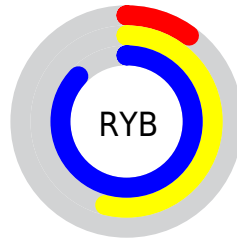
The Yxy color **54.8599, 0.2475, 0.4039** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.6002, 0.5584, 0.2946**, and the grayscale version is **33.6381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4557, 0.2540, 0.3638**, and **28.2422, 0.2503, 0.4212** is the 20% darker color. If you saturate the color by 10%, you get **54.4603, 0.2484, 0.4134**, and if you desaturate by 10%, it is **55.4873, 0.2484, 0.3943**.

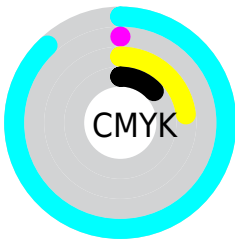
Distribution



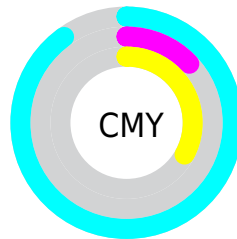
- Red (10%)
- Green (87%)
- Blue (67%)



- Red (10%)
- Yellow (54%)
- Blue (87%)



- Cyan (88%)
- Magenta (0%)
- Yellow (23%)
- Black (13%)





- Cyan (90%)
- Magenta (13%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8599, 0.2475, 0.4039 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 54.8599, 0.2475, 0.4039 by changing the saturation by 10% instead.


 54.8599, 0.2475,
0.4039


 54.8599, 0.2475,
0.4039


405.3806, 0.2798,
0.3658

 39.2896, 0.2396,
0.4136


 97.3357, 0.2591,
0.3899


 26.9851, 0.2295,
0.4260


 125.0099, 0.2635,
0.3847


 17.5620, 0.2163,
0.4427


 157.4875, 0.2673,
0.3804

 10.6360, 0.1982,
0.4661

 195.1529, 0.2705,
0.3766

 5.8226, 0.1723,
0.5012

 238.3906, 0.2733,
0.3734

 2.7375, 0.1300,
0.5604

287.5848, 0.2757,

 0.9963, 0.0000,

0.3705

0.8144

343.1200, 0.2779,
0.3681

■ 0.0000, 0.0000,
0.0000

■ 54.8599, 0.2475,
0.4039

■ 54.8599, 0.2475,
0.4039

■ 54.4603, 0.2484,
0.4134

■ 55.4873, 0.2484,
0.3943

■ 54.4073, 0.2486,
0.4148

■ 56.3884, 0.2513,
0.3847

■ 57.6007, 0.2561,
0.3752

■ 59.1540, 0.2628,
0.3660

■ 61.0748, 0.2711,
0.3573

■ 63.3868, 0.2807,
0.3490

■ 66.1115, 0.2913,
0.3414

■ 69.2693, 0.3027,
0.3344

■ 72.8787, 0.3145,
0.3281

Harmonies

Analogous

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



54.8599, 0.3156, 0.4600



54.8599, 0.2475, 0.4039



54.8599, 0.2005, 0.3235

Triad

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



54.8599, 0.2475, 0.4039



54.8599, 0.2315, 0.2151



54.8599, 0.4625, 0.3718

Complementary

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



54.8599, 0.2475, 0.4039



16.6002, 0.5584, 0.2946

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.



54.8599, 0.4371, 0.3164



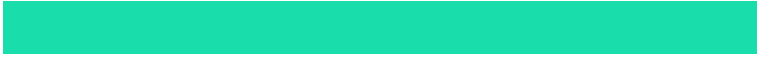
54.8599, 0.2475, 0.4039



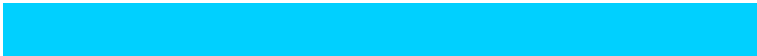
54.8599, 0.2949, 0.2312

Square

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



54.8599, 0.2475, 0.4039



54.8599, 0.1933, 0.2227



54.8599, 0.3722, 0.2670



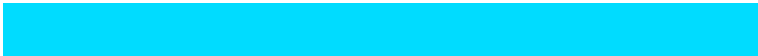
54.8599, 0.4416, 0.4254

Rectangle

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



54.8599, 0.2475, 0.4039



54.8599, 0.1853, 0.2769



54.8599, 0.3722, 0.2670



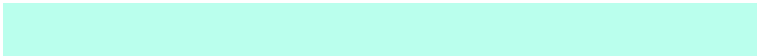
54.8599, 0.4594, 0.3531

Sweetspot

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



54.8620, 0.2475, 0.4039



88.1157, 0.2820, 0.3480



53.3840, 0.3160, 0.5787



18.6061, 0.2785, 0.3508



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.



54.8620, 0.2475, 0.4039



75.2296, 0.2488, 0.4156



36.2361, 0.2077, 0.2607



14.7697, 0.3016, 0.3350



31.6277, 0.2482, 0.4134



2.0626, 0.2439, 0.3979

Inverse Universe

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



16.6002, 0.5584, 0.2946



21.6438, 0.5958, 0.3056



19.9604, 0.5831, 0.3609



13.1059, 0.3252, 0.3230



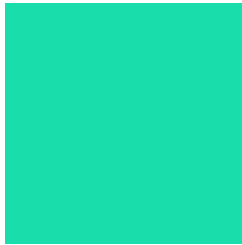
9.1142, 0.5901, 0.3025



0.6044, 0.5433, 0.2766

Previews

White Background



This preview shows how the Yxy color 54.8599, 0.2475, 0.4039 looks on a white background.

Color Contrast Check

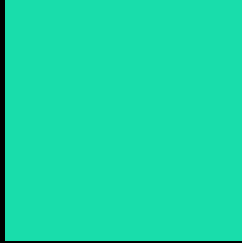
Large Text (above 18pt) WCAG AA × Fail

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 54.8599, 0.2475, 0.4039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

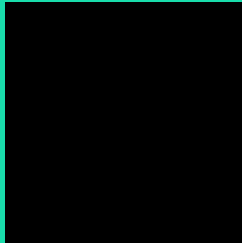
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8599, 0.2475, 0.4039

Background



This preview shows how black text looks on a background with the Yxy color 54.8599, 0.2475, 0.4039.

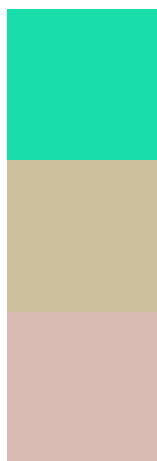


This preview shows how white text looks on a background with the Yxy color 54.8599, 0.2475, 0.4039.

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

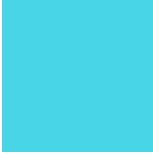
54.8599, 0.2475, 0.4039

Protanopia

53.5534, 0.3508, 0.3733

Deuteranopia

53.7007, 0.3456, 0.3385



Tritanopia

54.6794, 0.2280, 0.3060

Trichromacy



Original Color

54.8599, 0.2475, 0.4039



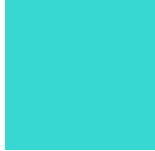
Protanomaly

50.8960, 0.2941, 0.3869



Deuteranomaly

50.2773, 0.2903, 0.3607



Tritanomaly

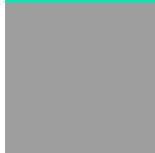
54.5274, 0.2337, 0.3386

Monochromacy



Original Color

54.8599, 0.2475, 0.4039



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

38.5024, 0.2706, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8599, 0.2475, 0.4039 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(25, 221, 171)` looks like.

```
.text, #text, p{  
    color:rgb(25, 221, 171)  
}
```

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(25, 221, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 221, 171) }
```

Border

The CSS property to change the border of an element to Yxy 54.8599, 0.2475, 0.4039 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(25, 221, 171) }
```

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

```
.border{ border-color:rgb(25, 221, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 221, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 221, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 221, 171);  
box-shadow:4px 4px 4px 4px rgb(25, 221,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8599, 0.2475, 0.4039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 221, 171) }
```

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

```
.background{ background-color: rgb(25, 221,  
171) }
```

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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