

Converting Colors

$Yxy(55.2064, 0.2381, 0.3485)$

Have a look what the booklet for
Yxy(55.2064, 0.2381, 0.3485)
contains.

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Color

Yxy(54.9774, 0.2377, 0.3471)

Conversions

Conversions Part 1

Format	Color
Hex	3DD9CC
RGB	61, 217, 204
RGB Percent	24%, 85%, 80%
CMY	0.7598, 0.1491, 0.1999
CMYK	0.72, 0.00, 0.06, 0.15
HSL	175°, 67%, 55%
HSV	175°, 72%, 85%
XYZ	37.6495, 54.9774, 65.7638
YIQ	168.8740, -88.8030, -37.1150

Conversions

Conversions Part 2

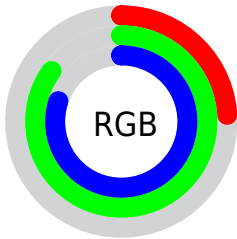
Format	Color
RYB	61, 142, 217
Decimal	4053452
CIELab	79.03, -42.40, -5.22
CIELCh	79, 42.718, 187.015
Yxy	54.9774, 0.2377, 0.3471
Android (android.graphics.Color)	4282243532 (0xFF3DD9CC)
YUV	168.8740, 17.3171, -94.6055
Hunter-Lab	74.1467, -39.1199, -0.6840

Details

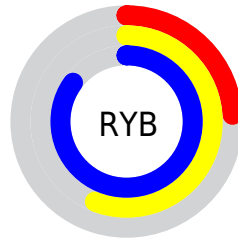
The Yxy color **54.9774, 0.2377, 0.3471** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.6127, 0.5382, 0.3176**, and the grayscale version is **39.5936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **27.6917, 0.2305, 0.3497** is the 20% darker color. If you saturate the color by 10%, you get **54.3352, 0.2341, 0.3499**, and if you desaturate by 10%, it is **55.9035, 0.2432, 0.3443**.

Distribution



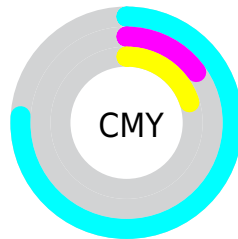
- Red (24%)
- Green (85%)
- Blue (80%)



- Red (24%)
- Yellow (56%)
- Blue (85%)



- Cyan (72%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)



- Cyan (76%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.9774, 0.2377, 0.3471 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 54.9774, 0.2377, 0.3471 by changing the saturation by 10% instead.


 54.9774, 0.2377,
0.3471

 54.9774, 0.2377,
0.3471


405.8263, 0.2735,
0.3390

 39.3836, 0.2293,
0.3488

 97.5078, 0.2503,
0.3444

 27.0583, 0.2188,
0.3509


 125.2133, 0.2552,
0.3433

 17.6170, 0.2054,
0.3535


 157.7248, 0.2593,
0.3423

 10.6754, 0.1877,
0.3565

 195.4267, 0.2629,
0.3415

 5.8490, 0.1634,
0.3601

238.7034, 0.2661,
0.3408

 2.7535, 0.1286,
0.3637

287.9393, 0.2688,

 1.0044, 0.0000,

0.3401

343.5188, 0.2713,
0.3395

0.3947

0.0000, 0.0000,
0.0000

54.9774, 0.2377,
0.3471

54.9774, 0.2377,
0.3471

54.3352, 0.2341,
0.3499

55.9035, 0.2432,
0.3443

53.9349, 0.2324,
0.3528

57.1372, 0.2506,
0.3415

53.7382, 0.2320,
0.3551

58.7067, 0.2598,
0.3388

60.6353, 0.2707,
0.3362

62.9442, 0.2829,
0.3337

■ 65.6530, 0.2961,
0.3314

■ 68.7800, 0.3102,
0.3293

■ 72.3423, 0.3247,
0.3275

■ 76.0608, 0.3384,
0.3258

Harmonies

Analogous

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



54.9774, 0.2819, 0.4014



54.9774, 0.2377, 0.3471



54.9774, 0.2142, 0.2925

Triad

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



54.9774, 0.2377, 0.3471



54.9774, 0.2809, 0.2462



54.9774, 0.4203, 0.3923

Complementary

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



54.9774, 0.2377, 0.3471



18.6127, 0.5382, 0.3176

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.



54.9774, 0.4224, 0.3496



54.9774, 0.2377, 0.3471



54.9774, 0.3375, 0.2697

Square

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



54.9774, 0.2377, 0.3471



54.9774, 0.2374, 0.2404



54.9774, 0.3911, 0.3062



54.9774, 0.3879, 0.4241

Rectangle

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



54.9774, 0.2377, 0.3471



54.9774, 0.2117, 0.2654



54.9774, 0.3911, 0.3062



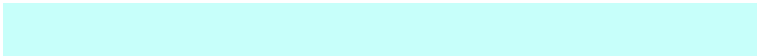
54.9774, 0.4247, 0.3786

Sweetspot

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



54.9795, 0.2377, 0.3471



90.5712, 0.2823, 0.3338



51.4237, 0.3071, 0.5541



19.1805, 0.2789, 0.3345



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.



54.9795, 0.2377, 0.3471



77.9887, 0.2330, 0.3514



28.4988, 0.2073, 0.2298



14.8099, 0.2993, 0.3309



32.5425, 0.2319, 0.3547



2.1139, 0.2306, 0.3501

Inverse Universe

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



18.6127, 0.5382, 0.3176



22.7697, 0.5995, 0.3210



30.0487, 0.4906, 0.3991



13.0690, 0.3279, 0.3271



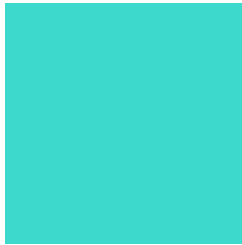
8.9628, 0.6303, 0.3246



0.5869, 0.6039, 0.3101

Previews

White Background



This preview shows how the Yxy color 54.9774, 0.2377, 0.3471 looks on a white background.

Color Contrast Check

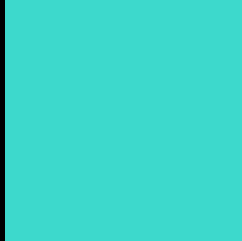
Large Text (above 18pt) WCAG AA × Fail

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 54.9774, 0.2377, 0.3471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

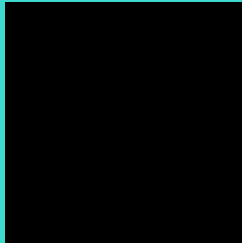
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

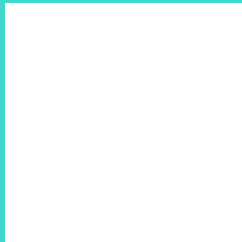
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.9774, 0.2377, 0.3471

Background



This preview shows how black text looks on a background with the Yxy color 54.9774, 0.2377, 0.3471.

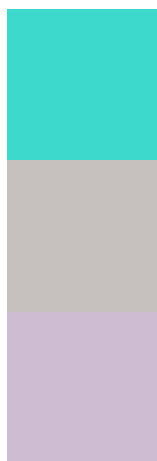


This preview shows how white text looks on a background with the Yxy color 54.9774, 0.2377, 0.3471.

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

54.9774, 0.2377, 0.3471

Protanopia

53.8634, 0.3190, 0.3327

Deuteranopia

54.1701, 0.3106, 0.3044



Tritanopia

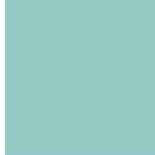
54.8795, 0.2294, 0.3061

Trichromacy



Original Color

54.9774, 0.2377, 0.3471



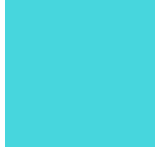
Protanomaly

52.4771, 0.2783, 0.3382



Deuteranomaly

52.1732, 0.2732, 0.3172



Tritanomaly

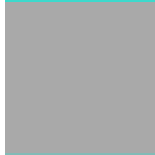
54.6532, 0.2319, 0.3192

Monochromacy



Original Color

54.9774, 0.2377, 0.3471



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

43.2410, 0.2725, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9774, 0.2377, 0.3471 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(61, 217, 204)` looks like.

```
.text, #text, p{  
    color:rgb(61, 217, 204)  
}
```

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(61, 217, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 217, 204) }
```

Border

The CSS property to change the border of an element to Yxy 54.9774, 0.2377, 0.3471 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(61, 217, 204) }
```

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

```
.border{ border-color:rgb(61, 217, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 217, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 217, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 217, 204);  
box-shadow:4px 4px 4px 4px rgb(61, 217,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9774, 0.2377, 0.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 217, 204) }
```

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

```
.background{ background-color: rgb(61, 217,  
204) }
```

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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