

Converting Colors

$Y_{xy}(54.9501, 0.2386, 0.3574)$

Have a look what the booklet for
Yxy(54.9501, 0.2386, 0.3574)
contains.

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Color

Yxy(54.9501, 0.2386, 0.3574)

Conversions

Conversions Part 1

Format	Color
Hex	34DAC6
RGB	52, 218, 198
RGB Percent	20%, 85%, 78%
CMY	0.7959, 0.1451, 0.2234
CMYK	0.76, 0.00, 0.09, 0.15
HSL	173°, 69%, 53%
HSV	173°, 76%, 85%
XYZ	36.6846, 54.9501, 62.1148
YIQ	166.0860, -92.5160, -41.4120

Conversions

Conversions Part 2

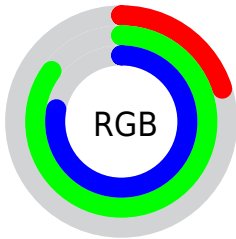
Format	Color
RYB	52, 140, 218
Decimal	3463878
CIELab	79.01, -45.49, -2.06
CIElCh	79, 45.541, 182.590
Yxy	54.9501, 0.2386, 0.3574
Android (android.graphics.Color)	4281653958 (0xFF34DAC6)
YUV	166.0860, 15.7336, -100.0534
Hunter-Lab	74.1283, -41.3885, 2.2086

Details

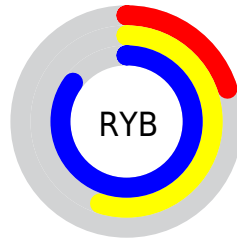
The Yxy color **54.9501, 0.2386, 0.3574** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **17.8341, 0.5486, 0.3125**, and the grayscale version is **38.1418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **27.8543, 0.2343, 0.3635** is the 20% darker color. If you saturate the color by 10%, you get **54.3805, 0.2361, 0.3616**, and if you desaturate by 10%, it is **55.7929, 0.2430, 0.3532**.

Distribution



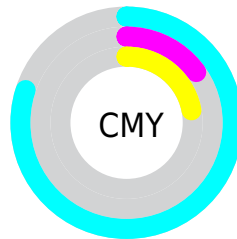
- Red (20%)
- Green (85%)
- Blue (78%)



- Red (20%)
- Yellow (55%)
- Blue (85%)



- Cyan (76%)
- Magenta (0%)
- Yellow (9%)
- Black (15%)





- Cyan (80%)
- Magenta (15%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.9501, 0.2386, 0.3574 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 54.9501, 0.2386, 0.3574 by changing the saturation by 10% instead.


 54.9501, 0.2386,
0.3574


 54.9501, 0.2386,
0.3574

405.7227, 0.2741,
0.3440

 39.3618, 0.2302,
0.3605


 97.4678, 0.2512,
0.3527


 27.0413, 0.2197,
0.3643


 125.1660, 0.2560,
0.3509

 17.6042, 0.2062,
0.3692


 157.6697, 0.2601,
0.3493

 10.6662, 0.1884,
0.3755

 195.3631, 0.2637,
0.3480

 5.8429, 0.1637,
0.3840

 238.6307, 0.2668,
0.3468

 2.7498, 0.1282,
0.3956

287.8569, 0.2695,

 1.0025, 0.0000,

0.3458

0.4440

343.4261, 0.2720,
0.3448

■ 0.0000, 0.0000,
0.0000

■ 54.9501, 0.2386,
0.3574

■ 54.9501, 0.2386,
0.3574

■ 54.3805, 0.2361,
0.3616

■ 55.7929, 0.2430,
0.3532

■ 54.0373, 0.2354,
0.3658

■ 56.9351, 0.2493,
0.3490

■ 53.9375, 0.2354,
0.3674

■ 58.4068, 0.2575,
0.3450

■ 60.2327, 0.2673,
0.3411

■ 62.4352, 0.2786,
0.3374

■ 65.0346, 0.2910,
0.3340

■ 68.0501, 0.3043,
0.3308

■ 71.4994, 0.3181,
0.3279

■ 75.3993, 0.3323,
0.3253

Harmonies

Analogous

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



54.9501, 0.2878, 0.4136



54.9501, 0.2386, 0.3574



54.9501, 0.2104, 0.2974

Triad

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



54.9501, 0.2386, 0.3574



54.9501, 0.2708, 0.2393



54.9501, 0.4297, 0.3892

Complementary

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



54.9501, 0.2386, 0.3574



17.8341, 0.5486, 0.3125

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.



54.9501, 0.4269, 0.3433



54.9501, 0.2386, 0.3574



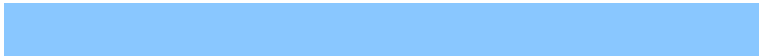
54.9501, 0.3297, 0.2616

Square

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



54.9501, 0.2386, 0.3574



54.9501, 0.2278, 0.2361



54.9501, 0.3889, 0.2983



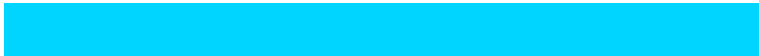
54.9501, 0.3990, 0.4262

Rectangle

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



54.9501, 0.2386, 0.3574



54.9501, 0.2054, 0.2665



54.9501, 0.3889, 0.2983



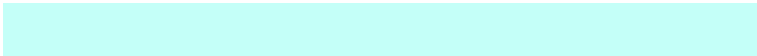
54.9501, 0.4329, 0.3743

Sweetspot

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



54.9522, 0.2386, 0.3574



90.0764, 0.2821, 0.3364



51.8536, 0.3096, 0.5627



19.0084, 0.2777, 0.3377



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.



54.9522, 0.2386, 0.3574



77.2517, 0.2355, 0.3640



29.9587, 0.2062, 0.2362



14.8012, 0.2998, 0.3318



32.3252, 0.2352, 0.3668



2.1020, 0.2333, 0.3600

Inverse Universe

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



17.8341, 0.5486, 0.3125



22.1087, 0.6071, 0.3185



26.9415, 0.5138, 0.3907



13.0769, 0.3273, 0.3262



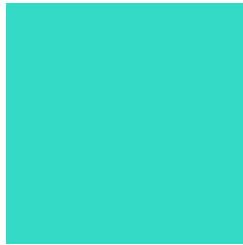
8.9836, 0.6244, 0.3213



0.5906, 0.5895, 0.3021

Previews

White Background



This preview shows how the Yxy color 54.9501, 0.2386, 0.3574 looks on a white background.

Color Contrast Check

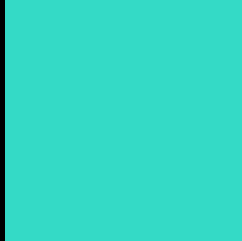
Large Text (above 18pt) WCAG AA × Fail

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 54.9501, 0.2386, 0.3574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

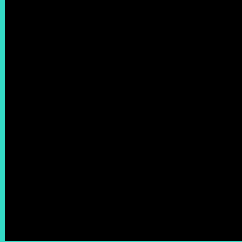
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

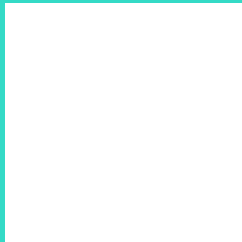
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.9501, 0.2386, 0.3574

Background



This preview shows how black text looks on a background with the Yxy color 54.9501, 0.2386, 0.3574.

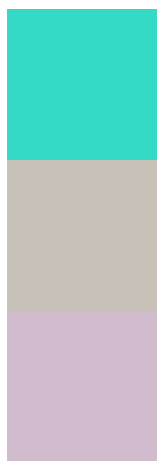


This preview shows how white text looks on a background with the Yxy color 54.9501, 0.2386, 0.3574.

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

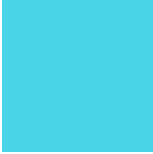
54.9501, 0.2386, 0.3574

Protanopia

53.8800, 0.3253, 0.3400

Deuteranopia

53.7841, 0.3161, 0.3090



Tritanopia

54.7745, 0.2279, 0.3047

Trichromacy



Original Color

54.9501, 0.2386, 0.3574



Protanomaly

52.0262, 0.2808, 0.3465



Deuteranomaly

51.6904, 0.2756, 0.3249



Tritanomaly

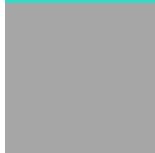
54.8392, 0.2315, 0.3233

Monochromacy



Original Color

54.9501, 0.2386, 0.3574



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

42.2723, 0.2716, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9501, 0.2386, 0.3574 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(52, 218, 198)` looks like.

```
.text, #text, p{  
    color:rgb(52, 218, 198)  
}
```

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(52, 218, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 218, 198) }
```

Border

The CSS property to change the border of an element to Yxy 54.9501, 0.2386, 0.3574 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(52, 218, 198) }
```

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

```
.border{ border-color:rgb(52, 218, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 218, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 218, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 218, 198);  
box-shadow:4px 4px 4px 4px rgb(52, 218,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9501, 0.2386, 0.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 218, 198) }
```

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

```
.background{ background-color: rgb(52, 218,  
198) }
```

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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