

Converting Colors

$Y_{xy}(54.4900, 0.2334, 0.3363)$

Have a look what the booklet for
Yxy(54.4900, 0.2334, 0.3363)
contains.

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Color

Yxy(54.6347, 0.2338, 0.3372)

Conversions

Conversions Part 1

Format	Color
Hex	39D8D2
RGB	57, 216, 210
RGB Percent	22%, 85%, 82%
CMY	0.7758, 0.1530, 0.1765
CMYK	0.74, 0.00, 0.03, 0.15
HSL	178°, 67%, 54%
HSV	178°, 74%, 85%
XYZ	37.8814, 54.6347, 69.5086
YIQ	167.7750, -92.8380, -35.5740

Conversions

Conversions Part 2

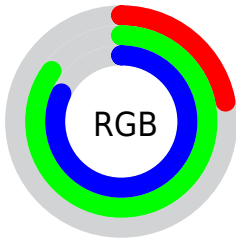
Format	Color
RYB	57, 138, 216
Decimal	3791058
CIELab	78.83, -40.79, -8.71
CIELCh	79, 41.712, 192.051
Yxy	54.6347, 0.2338, 0.3372
Android (android.graphics.Color)	4281981138 (0xFF39D8D2)
YUV	167.7750, 20.8169, -97.1497
Hunter-Lab	73.9153, -37.8711, -4.0145

Details

The Yxy color **54.6347, 0.2338, 0.3372** 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 **17.9037, 0.5564, 0.3245**, and the grayscale version is **38.9974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **27.5419, 0.2267, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **54.0885, 0.2302, 0.3384**, and if you desaturate by 10%, it is **55.4553, 0.2393, 0.3360**.

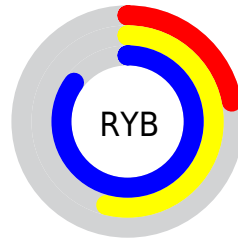
Distribution



Red (22%)

Green (85%)

Blue (82%)



Red (22%)

Yellow (54%)

Blue (85%)

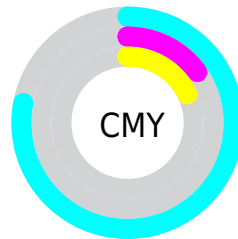


Cyan (74%)

Magenta (0%)

Yellow (3%)

Black (15%)



Cyan (78%)


Magenta (15%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.6347, 0.2338, 0.3372 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 54.6347, 0.2338, 0.3372 by changing the saturation by 10% instead.

 54.6347, 0.2338,
0.3372


 54.6347, 0.2338,
0.3372

404.5257, 0.2713,
0.3342

 39.1093, 0.2251,
0.3376


 97.0055, 0.2470,
0.3363


 26.8448, 0.2142,
0.3381


 124.6198, 0.2520,
0.3359

 17.4567, 0.2003,
0.3383


 157.0324, 0.2564,
0.3356

 10.5606, 0.1821,
0.3382

 194.6279, 0.2602,
0.3353

 5.7722, 0.1573,
0.3371

237.7906, 0.2635,
0.3350

 2.7071, 0.1223,
0.3331

286.9048, 0.2664,

 0.9808, 0.0000,

0.3347

0.3451

342.3551, 0.2690,
0.3344

0.0000, 0.0000,
0.0000

54.6347, 0.2338,
0.3372

54.6347, 0.2338,
0.3372

54.0885, 0.2302,
0.3384

55.4553, 0.2393,
0.3360

53.7736, 0.2284,
0.3397

56.5746, 0.2466,
0.3347

53.6543, 0.2279,
0.3405

58.0210, 0.2559,
0.3335

59.8179, 0.2668,
0.3324

61.9867, 0.2793,
0.3313

■ 64.5470, 0.2929,
0.3302

■ 67.5170, 0.3074,
0.3293

■ 70.9139, 0.3226,
0.3285

■ 74.7538, 0.3381,
0.3277

Harmonies

Analogous

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



54.6347, 0.2742, 0.3920



54.6347, 0.2338, 0.3372



54.6347, 0.2145, 0.2859

Triad

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



54.6347, 0.2338, 0.3372



54.6347, 0.2904, 0.2505



54.6347, 0.4146, 0.3975

Complementary

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



54.6347, 0.2338, 0.3372



17.9037, 0.5564, 0.3245

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.



54.6347, 0.4220, 0.3566



54.6347, 0.2338, 0.3372



54.6347, 0.3466, 0.2761

Square

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



54.6347, 0.2338, 0.3372



54.6347, 0.2448, 0.2417



54.6347, 0.3966, 0.3136



54.6347, 0.3789, 0.4253

Rectangle

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



54.6347, 0.2338, 0.3372



54.6347, 0.2146, 0.2615



54.6347, 0.3966, 0.3136



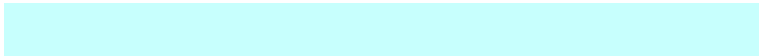
54.6347, 0.4206, 0.3847

Sweetspot

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



54.6368, 0.2338, 0.3372



90.7324, 0.2810, 0.3311



50.5346, 0.3047, 0.5601



19.2191, 0.2774, 0.3314



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.



54.6368, 0.2338, 0.3372



78.4898, 0.2291, 0.3391



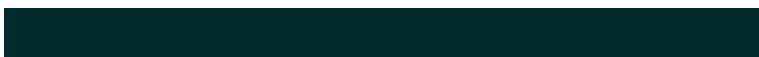
25.9403, 0.2033, 0.2184



14.0994, 0.2988, 0.3299



31.7633, 0.2279, 0.3403



1.9184, 0.2273, 0.3381

Inverse Universe

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



17.9037, 0.5564, 0.3245



22.3663, 0.6146, 0.3266



30.5035, 0.4902, 0.4056



12.4283, 0.3285, 0.3282



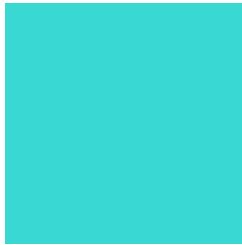
8.6553, 0.6357, 0.3276



0.5248, 0.6222, 0.3201

Previews

White Background



This preview shows how the Yxy color 54.6347, 0.2338, 0.3372 looks on a white background.

Color Contrast Check

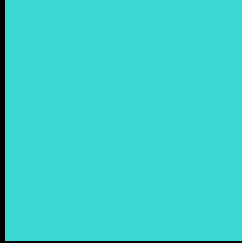
Large Text (above 18pt) WCAG AA × Fail

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 54.6347, 0.2338, 0.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

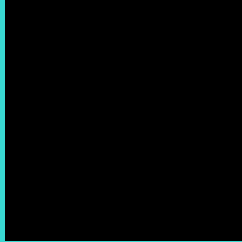
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

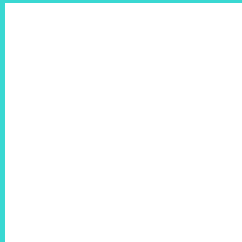
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.6347, 0.2338, 0.3372

Background



This preview shows how black text looks on a background with the Yxy color 54.6347, 0.2338, 0.3372.

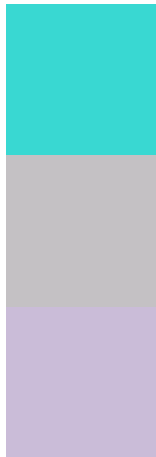


This preview shows how white text looks on a background with the Yxy color 54.6347, 0.2338, 0.3372.

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

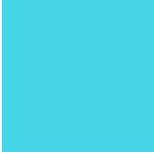
54.6347, 0.2338, 0.3372

Protanopia

53.8612, 0.3129, 0.3253

Deuteranopia

53.4809, 0.3030, 0.2961



Tritanopia

54.6038, 0.2275, 0.3060

Trichromacy



Original Color

54.6347, 0.2338, 0.3372



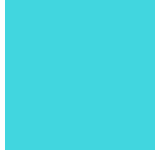
Protanomaly

52.1013, 0.2732, 0.3289



Deuteranomaly

51.6328, 0.2669, 0.3081



Tritanomaly

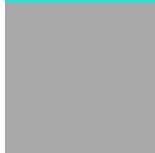
54.5447, 0.2295, 0.3165

Monochromacy



Original Color

54.6347, 0.2338, 0.3372



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

42.7060, 0.2704, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.6347, 0.2338, 0.3372 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(57, 216, 210)` looks like.

```
.text, #text, p{  
    color:rgb(57, 216, 210)  
}
```

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(57, 216, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 216, 210) }
```

Border

The CSS property to change the border of an element to Yxy 54.6347, 0.2338, 0.3372 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(57, 216, 210) }
```

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

```
.border{ border-color:rgb(57, 216, 210) }
```

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

Here you see how a box with a 4 pixel rgb(57, 216, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 216, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 216, 210);  
box-shadow:4px 4px 4px 4px rgb(57, 216,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 54.6347, 0.2338, 0.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 216, 210) }
```

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

```
.background{ background-color: rgb(57, 216,  
210) }
```

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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