

Converting Colors

$Yxy(54.6534, 0.2379, 0.3504)$

Have a look what the booklet for
Yxy(54.6534, 0.2379, 0.3504)
contains.

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Color

Yxy(54.7895, 0.2378, 0.3501)

Conversions

Conversions Part 1

Format	Color
Hex	3AD9CA
RGB	58, 217, 202
RGB Percent	23%, 85%, 79%
CMY	0.7728, 0.1490, 0.2078
CMYK	0.73, 0.00, 0.07, 0.15
HSL	174°, 68%, 54%
HSV	174°, 73%, 85%
XYZ	37.2149, 54.7895, 64.4923
YIQ	167.7490, -89.9490, -38.3730

Conversions

Conversions Part 2

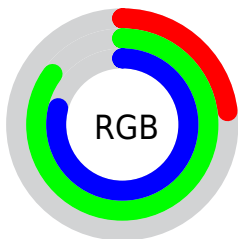
Format	Color
R _{YB}	58, 141, 217
Decimal	3856842
CIE Lab	78.92, -43.35, -4.31
CIE LCh	79, 43.563, 185.675
Yxy	54.7895, 0.2378, 0.3501
Android (android.graphics.Color)	4282046922 (0xFF3AD9CA)
YUV	167.7490, 16.8857, -96.2499
Hunter-Lab	74.0199, -39.7906, 0.1556

Details

The Yxy color **54.7895, 0.2378, 0.3501** 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 **18.2515, 0.5425, 0.3161**, and the grayscale version is **38.9677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **27.6279, 0.2316, 0.3537** is the 20% darker color. If you saturate the color by 10%, you get **54.1771, 0.2346, 0.3533**, and if you desaturate by 10%, it is **55.6811, 0.2429, 0.3469**.

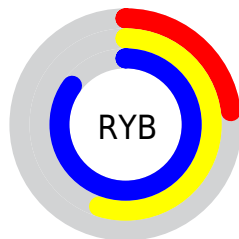
Distribution



Red (23%)

Green (85%)

Blue (79%)



Red (23%)

Yellow (55%)

Blue (85%)

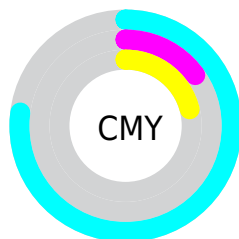


Cyan (73%)

Magenta (0%)

Yellow (7%)

Black (15%)



Cyan (77%)


Magenta (15%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.7895, 0.2378, 0.3501 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 54.7895, 0.2378, 0.3501 by changing the saturation by 10% instead.


 54.7895, 0.2378,
0.3501


 54.7895, 0.2378,
0.3501


405.1135, 0.2736,
0.3405

 39.2332, 0.2294,
0.3522


 97.2325, 0.2504,
0.3468


 26.9412, 0.2189,
0.3548


 124.8879, 0.2553,
0.3455

 17.5291, 0.2054,
0.3580


 157.3453, 0.2594,
0.3444

 10.6124, 0.1876,
0.3620

 194.9888, 0.2630,
0.3434

 5.8069, 0.1631,
0.3670

238.2031, 0.2662,
0.3425

 2.7280, 0.1279,
0.3728

287.3723, 0.2690,

 0.9914, 0.0000,

0.3418

0.4081

342.8810, 0.2714,
0.3411

■ 0.0000, 0.0000,
0.0000

■ 54.7895, 0.2378,
0.3501

■ 54.7895, 0.2378,
0.3501

■ 54.1771, 0.2346,
0.3533

■ 55.6811, 0.2429,
0.3469

■ 53.8006, 0.2332,
0.3566

■ 56.8764, 0.2500,
0.3437


■ 53.6401, 0.2330,
0.3587


■ 58.4039, 0.2588,
0.3406

■ 60.2875, 0.2693,
0.3376

■ 62.5487, 0.2812,
0.3348

 65.2072, 0.2942,
0.3322

 68.2815, 0.3080,
0.3297

 71.7889, 0.3224,
0.3276

 75.7458, 0.3369,
0.3256

Harmonies

Analogous

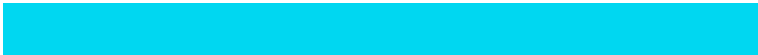
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.7895, 0.2835, 0.4051



54.7895, 0.2378, 0.3501



54.7895, 0.2129, 0.2938

Triad

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



54.7895, 0.2378, 0.3501



54.7895, 0.2779, 0.2440



54.7895, 0.4233, 0.3915

Complementary

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



54.7895, 0.2378, 0.3501



18.2515, 0.5425, 0.3161

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.



54.7895, 0.4240, 0.3478



54.7895, 0.2378, 0.3501



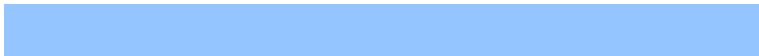
54.7895, 0.3353, 0.2672

Square

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



54.7895, 0.2378, 0.3501



54.7895, 0.2344, 0.2390



54.7895, 0.3907, 0.3039



54.7895, 0.3913, 0.4249

Rectangle

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



54.7895, 0.2378, 0.3501



54.7895, 0.2096, 0.2656



54.7895, 0.3907, 0.3039



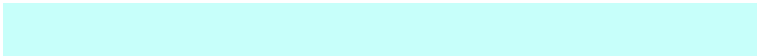
54.7895, 0.4274, 0.3775

Sweetspot

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



54.7916, 0.2378, 0.3501



90.5323, 0.2826, 0.3345



51.3838, 0.3079, 0.5574



19.1712, 0.2792, 0.3352



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.



54.7916, 0.2378, 0.3501



77.7362, 0.2336, 0.3551



28.8126, 0.2068, 0.2316



14.8073, 0.2995, 0.3312



32.4766, 0.2328, 0.3582



2.1103, 0.2314, 0.3530

Inverse Universe

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



18.2515, 0.5425, 0.3161



22.4650, 0.6037, 0.3204



28.8683, 0.4984, 0.3965



13.0714, 0.3277, 0.3268



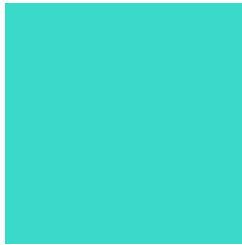
8.9684, 0.6287, 0.3237



0.5880, 0.5995, 0.3076

Previews

White Background



This preview shows how the Yxy color 54.7895, 0.2378, 0.3501 looks on a white background.

Color Contrast Check

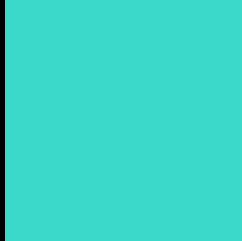
Large Text (above 18pt) WCAG AA × Fail

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 54.7895, 0.2378, 0.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

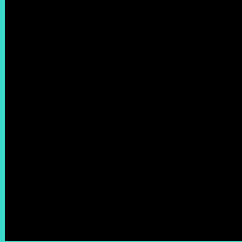
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

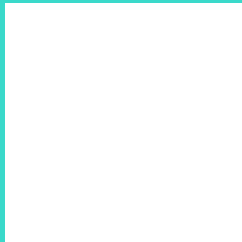
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.7895, 0.2378, 0.3501

Background



This preview shows how black text looks on a background with the Yxy color 54.7895, 0.2378, 0.3501.

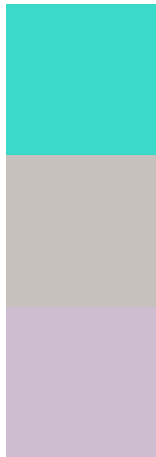


This preview shows how white text looks on a background with the Yxy color 54.7895, 0.2378, 0.3501.

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

54.7895, 0.2378, 0.3501

Protanopia

53.7765, 0.3206, 0.3351

Deuteranopia

53.6423, 0.3122, 0.3055



Tritanopia

54.7975, 0.2289, 0.3060

Trichromacy



Original Color

54.7895, 0.2378, 0.3501



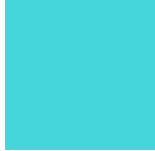
Protanomaly

52.2944, 0.2789, 0.3410



Deuteranomaly

51.9785, 0.2738, 0.3197



Tritanomaly

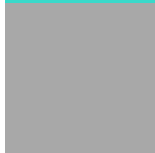
54.5257, 0.2317, 0.3205

Monochromacy



Original Color

54.7895, 0.2378, 0.3501



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

43.0023, 0.2725, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7895, 0.2378, 0.3501 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(58, 217, 202)` looks like.

```
.text, #text, p{  
    color:rgb(58, 217, 202)  
}
```

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(58, 217, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 217, 202) }
```

Border

The CSS property to change the border of an element to Yxy 54.7895, 0.2378, 0.3501 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(58, 217, 202) }
```

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

```
.border{ border-color:rgb(58, 217, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 217, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(58, 217, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(58, 217, 202); box-shadow:4px 4px 4px 4px rgb(58, 217, 202) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7895, 0.2378, 0.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 217, 202) }
```

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

```
.background{ background-color: rgb(58, 217,  
202) }
```

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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