

Converting Colors

$Y_{xy}(58.0493, 0.2356, 0.3529)$

Have a look what the booklet for
Yxy(58.0493, 0.2356, 0.3529)
contains.

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Color

Yxy(57.7895, 0.2356, 0.3526)

Conversions

Conversions Part 1

Format	Color
Hex	2DDFCE
RGB	45, 223, 206
RGB Percent	18%, 87%, 81%
CMY	0.8227, 0.1255, 0.1923
CMYK	0.80, 0.00, 0.08, 0.13
HSL	174°, 74%, 53%
HSV	174°, 80%, 87%
XYZ	38.6137, 57.7895, 67.4921
YIQ	167.8400, -100.6310, -43.0230

Conversions

Conversions Part 2

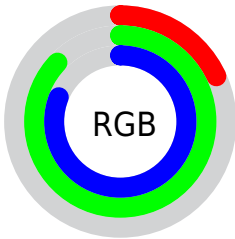
Format	Color
R_{YB}	45, 138, 223
Decimal	3006414
CIE _{Lab}	80.62, -46.16, -3.94
CIE _{LCh}	81, 46.325, 184.877
Yxy	57.7895, 0.2356, 0.3526
Android (android.graphics.Color)	4281196494 (0xFF2DDFCE)
YUV	167.8400, 18.8129, -107.7307
Hunter-Lab	76.0194, -42.3656, 0.5743

Details

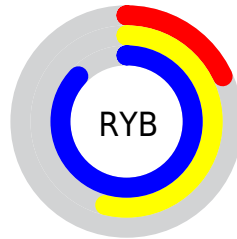
The Yxy color **57.7895, 0.2356, 0.3526** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.9305, 0.5705, 0.3172**, and the grayscale version is **39.0475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **29.9044, 0.2324, 0.3567** is the 20% darker color. If you saturate the color by 10%, you get **57.3071, 0.2336, 0.3559**, and if you desaturate by 10%, it is **58.5449, 0.2395, 0.3493**.

Distribution



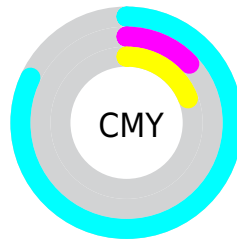
- Red (18%)
- Green (87%)
- Blue (81%)



- Red (18%)
- Yellow (54%)
- Blue (87%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)





- Cyan (82%)
- Magenta (13%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7895, 0.2356, 0.3526 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 57.7895, 0.2356, 0.3526 by changing the saturation by 10% instead.


 57.7895, 0.2356,
0.3526


 57.7895, 0.2356,
0.3526


416.4011, 0.2721,
0.3418

 41.6394, 0.2271,
0.3550


 101.6163, 0.2484,
0.3489


 28.8191, 0.2165,
0.3579

 130.0618, 0.2534,
0.3475


 18.9440, 0.2031,
0.3615

 163.3745, 0.2576,
0.3462

 11.6298, 0.1854,
0.3659

 201.9389, 0.2613,
0.3451

 6.4921, 0.1614,
0.3716

 246.1394, 0.2645,
0.3442

 3.1466, 0.1274,
0.3785

296.3603, 0.2673,

 1.2087, 0.0000,

0.3433

0.4177

352.9861, 0.2699,
0.3425

0.0688, 0.0000,
0.1642

0.0000, 0.0000,
0.0000

57.7895, 0.2356,
0.3526

57.7895, 0.2356,
0.3526

57.3071, 0.2336,
0.3559

58.5449, 0.2395,
0.3493


57.0283, 0.2331,
0.3591


59.6035, 0.2453,
0.3460


57.0216, 0.2331,
0.3592


60.9985, 0.2530,
0.3428


62.7573, 0.2624,
0.3397

 64.9043, 0.2734,
0.3367

 67.4617, 0.2858,
0.3339

 70.4503, 0.2991,
0.3313

 73.8892, 0.3131,
0.3289

 77.7965, 0.3276,
0.3268

Harmonies

Analogous

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



57.7895, 0.2835, 0.4101



57.7895, 0.2356, 0.3526



57.7895, 0.2093, 0.2934

Triad

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



57.7895, 0.2356, 0.3526



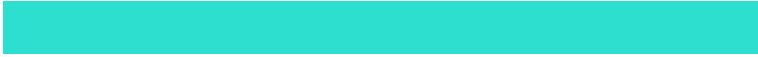
57.7895, 0.2749, 0.2404



57.7895, 0.4285, 0.3925

Complementary

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



57.7895, 0.2356, 0.3526



17.9305, 0.5705, 0.3172

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.



57.7895, 0.4285, 0.3469



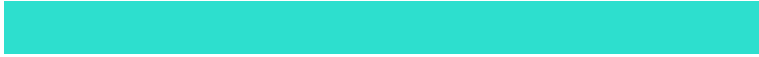
57.7895, 0.2356, 0.3526



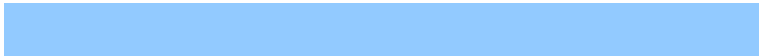
57.7895, 0.3345, 0.2639

Square

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



57.7895, 0.2356, 0.3526



57.7895, 0.2303, 0.2355



57.7895, 0.3929, 0.3015



57.7895, 0.3956, 0.4282

Rectangle

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



57.7895, 0.2356, 0.3526



57.7895, 0.2055, 0.2636



57.7895, 0.3929, 0.3015



57.7895, 0.4325, 0.3778

Sweetspot

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



57.7917, 0.2356, 0.3526



89.8111, 0.2801, 0.3351



54.0216, 0.3065, 0.5726



18.9625, 0.2758, 0.3361



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.



57.7917, 0.2356, 0.3526



77.3868, 0.2332, 0.3582



28.3081, 0.2004, 0.2214



15.5485, 0.2995, 0.3312



33.5377, 0.2330, 0.3587



2.3313, 0.2316, 0.3537

Inverse Universe

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



17.9305, 0.5705, 0.3172



21.5949, 0.6243, 0.3238



28.4440, 0.5189, 0.3969



13.7217, 0.3277, 0.3268



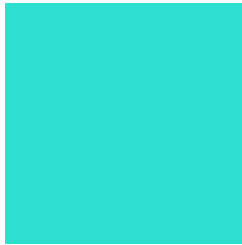
9.2643, 0.6287, 0.3237



0.6495, 0.6007, 0.3083

Previews

White Background



This preview shows how the Yxy color 57.7895, 0.2356, 0.3526 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 57.7895, 0.2356, 0.3526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

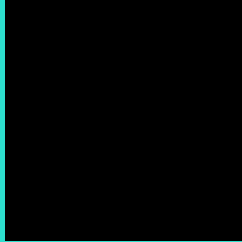
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

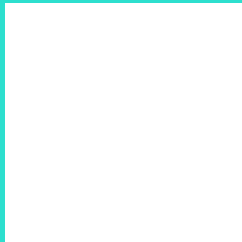
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.7895, 0.2356, 0.3526

Background



This preview shows how black text looks on a background with the Yxy color 57.7895, 0.2356, 0.3526.

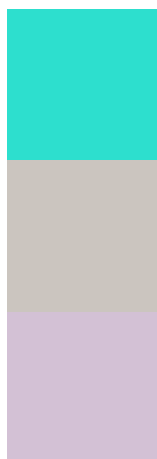


This preview shows how white text looks on a background with the Yxy color 57.7895, 0.2356, 0.3526.

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

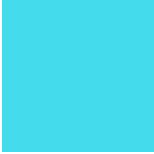
57.7895, 0.2356, 0.3526

Protanopia

56.3906, 0.3220, 0.3362

Deuteranopia

56.7929, 0.3122, 0.3060



Tritanopia

57.9481, 0.2266, 0.3065

Trichromacy



Original Color

57.7895, 0.2356, 0.3526



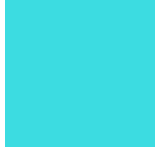
Protanomaly

54.2391, 0.2769, 0.3422



Deuteranomaly

54.4182, 0.2714, 0.3211



Tritanomaly

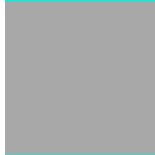
57.5833, 0.2296, 0.3220

Monochromacy



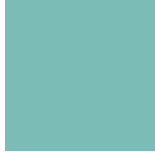
Original Color

57.7895, 0.2356, 0.3526



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

43.5548, 0.2682, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7895, 0.2356, 0.3526 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(45, 223, 206)` looks like.

```
.text, #text, p{  
    color:rgb(45, 223, 206)  
}
```

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(45, 223, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 223, 206) }
```

Border

The CSS property to change the border of an element to Yxy 57.7895, 0.2356, 0.3526 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(45, 223, 206) }
```

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

```
.border{ border-color:rgb(45, 223, 206) }
```

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

Here you see how a box with a 4 pixel rgb(45, 223, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 223, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 223, 206);  
box-shadow:4px 4px 4px 4px rgb(45, 223,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7895, 0.2356, 0.3526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 223, 206) }
```

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

```
.background{ background-color: rgb(45, 223,  
206) }
```

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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