

Converting Colors

$Y_{xy}(57.5895, 0.2527, 0.3835)$

Have a look what the booklet for
Yxy(57.5895, 0.2527, 0.3835)
contains.

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Color

Yxy(57.7725, 0.2530, 0.3844)

Conversions

Conversions Part 1

Format	Color
Hex	4CDFB8
RGB	76, 223, 184
RGB Percent	30%, 87%, 72%
CMY	0.7017, 0.1255, 0.2784
CMYK	0.66, 0.00, 0.17, 0.13
HSL	164°, 70%, 59%
HSV	164°, 66%, 87%
XYZ	38.0240, 57.7725, 54.4961
YIQ	174.6010, -75.0930, -43.2930

Conversions

Conversions Part 2

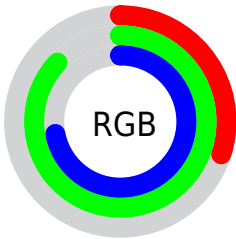
Format	Color
RYB	76, 161, 223
Decimal	5038008
CIELab	80.61, -48.01, 7.78
CIElCh	81, 48.638, 170.796
Yxy	57.7725, 0.2530, 0.3844
Android (android.graphics.Color)	4283228088 (0xFF4CDFB8)
YUV	174.6010, 4.6337, -86.4731
Hunter-Lab	76.0082, -43.7176, 10.6962

Details

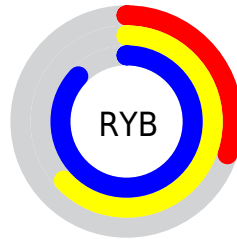
The Yxy color **57.7725, 0.2530, 0.3844** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **22.1058, 0.4701, 0.2877**, and the grayscale version is **42.6685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3867, 0.2586, 0.3461**, and **29.2761, 0.2442, 0.3990** is the 20% darker color. If you saturate the color by 10%, you get **56.7702, 0.2497, 0.3944**, and if you desaturate by 10%, it is **59.1062, 0.2583, 0.3746**.

Distribution



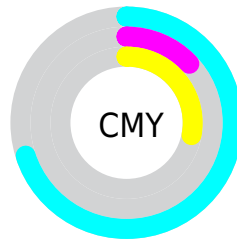
- Red (30%)
- Green (87%)
- Blue (72%)



- Red (30%)
- Yellow (63%)
- Blue (87%)



- Cyan (66%)
- Magenta (0%)
- Yellow (17%)
- Black (13%)




- Cyan (70%)
- Magenta (13%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7725, 0.2530, 0.3844 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 57.7725, 0.2530, 0.3844 by changing the saturation by 10% instead.


 57.7725, 0.2530,
0.3844


 57.7725, 0.2530,
0.3844


416.3377, 0.2820,
0.3569


 41.6258, 0.2460,
0.3912

 101.5915, 0.2634,
0.3745


 28.8084, 0.2372,
0.3999


 130.0326, 0.2673,
0.3707

 18.9359, 0.2258,
0.4113


 163.3405, 0.2707,
0.3675

 11.6240, 0.2104,
0.4271

 201.8998, 0.2736,
0.3648

 6.4882, 0.1886,
0.4502

246.0947, 0.2761,
0.3624

 3.1441, 0.1559,
0.4869

296.3098, 0.2783,

 1.2074, 0.0000,

0.3604

0.6215

352.9293, 0.2803,
0.3585

0.0678, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

57.7725, 0.2530,
0.3844

57.7725, 0.2530,
0.3844

56.7702, 0.2497,
0.3944

59.1062, 0.2583,
0.3746

56.0581, 0.2484,
0.4044


60.7940, 0.2653,
0.3651

55.5960, 0.2490,
0.4144


62.8644, 0.2739,
0.3561


55.4481, 0.2496,
0.4184


65.3411, 0.2837,
0.3477

 68.2458, 0.2944,
0.3399

 71.5987, 0.3058,
0.3329

 75.4187, 0.3176,
0.3265

 79.7235, 0.3295,
0.3207

 80.1646, 0.3259,
0.3149

Harmonies

Analogous

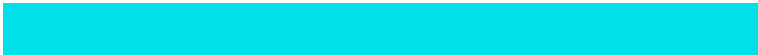
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.7725, 0.3102, 0.4338



57.7725, 0.2530, 0.3844



57.7725, 0.2143, 0.3189

Triad

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



57.7725, 0.2530, 0.3844



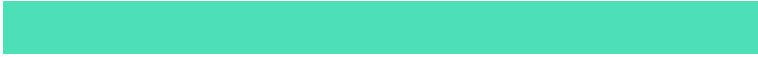
57.7725, 0.2486, 0.2315



57.7725, 0.4389, 0.3730

Complementary

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



57.7725, 0.2530, 0.3844



22.1058, 0.4701, 0.2877

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.



57.7725, 0.4210, 0.3246



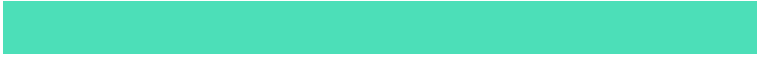
57.7725, 0.2530, 0.3844



57.7725, 0.3049, 0.2474

Square

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



57.7725, 0.2530, 0.3844



57.7725, 0.2125, 0.2366



57.7725, 0.3696, 0.2803



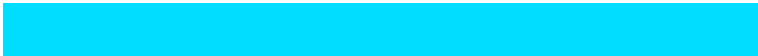
57.7725, 0.4191, 0.4171

Rectangle

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



57.7725, 0.2530, 0.3844



57.7725, 0.2023, 0.2810



57.7725, 0.3696, 0.2803



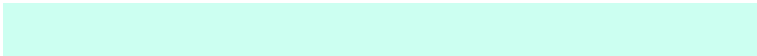
57.7725, 0.4373, 0.3568

Sweetspot

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



57.7748, 0.2530, 0.3844



90.7361, 0.2897, 0.3432



56.9592, 0.3229, 0.5285



19.1852, 0.2867, 0.3454



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.



57.7748, 0.2530, 0.3844



76.5342, 0.2490, 0.3981



43.1400, 0.2238, 0.2803



15.5070, 0.3017, 0.3353



32.6228, 0.2492, 0.4169



2.2758, 0.2449, 0.4016

Inverse Universe

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



22.1058, 0.4701, 0.2877



24.9185, 0.5227, 0.2882



27.4391, 0.4982, 0.3660



13.7600, 0.3250, 0.3228



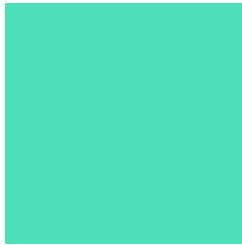
9.4271, 0.5872, 0.3009



0.6681, 0.5431, 0.2765

Previews

White Background



This preview shows how the Yxy color 57.7725, 0.2530, 0.3844 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 57.7725, 0.2530, 0.3844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

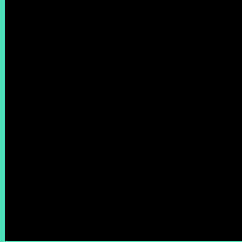
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

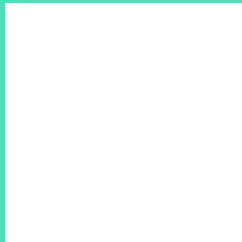
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.7725, 0.2530, 0.3844

Background



This preview shows how black text looks on a background with the Yxy color 57.7725, 0.2530, 0.3844.



This preview shows how white text looks on a background with the Yxy color 57.7725, 0.2530, 0.3844.

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

57.7725, 0.2530, 0.3844

Protanopia

56.7383, 0.3412, 0.3615

Deuteranopia

56.6765, 0.3366, 0.3302



Tritanopia

57.5936, 0.2351, 0.3055

Trichromacy



Original Color

57.7725, 0.2530, 0.3844



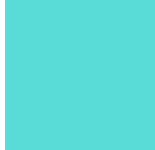
Protanomaly

55.2338, 0.2991, 0.3700



Deuteranomaly

54.6675, 0.2968, 0.3484



Tritanomaly

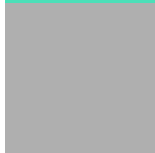
57.7448, 0.2412, 0.3328

Monochromacy



Original Color

57.7725, 0.2530, 0.3844



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.4026, 0.2821, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7725, 0.2530, 0.3844 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(76, 223, 184)` looks like.

```
.text, #text, p{  
    color:rgb(76, 223, 184)  
}
```

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(76, 223, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 223, 184) }
```

Border

The CSS property to change the border of an element to Yxy 57.7725, 0.2530, 0.3844 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(76, 223, 184) }
```

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

```
.border{ border-color:rgb(76, 223, 184) }
```

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

Here you see how a box with a 4 pixel rgb(76, 223, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 223, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 223, 184);  
box-shadow:4px 4px 4px 4px rgb(76, 223,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7725, 0.2530, 0.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 223, 184) }
```

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

```
.background{ background-color: rgb(76, 223,  
184) }
```

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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