

Converting Colors

$Y_{xy}(56.3327, 0.2589, 0.4428)$

Have a look what the booklet for
Yxy(56.3327, 0.2589, 0.4428)
contains.

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Color

Yxy(56.3136, 0.2589, 0.4426)

Conversions

Conversions Part 1

Format	Color
Hex	1DE196
RGB	29, 225, 150
RGB Percent	11%, 88%, 59%
CMY	0.8853, 0.1177, 0.4118
CMYK	0.87, 0.00, 0.33, 0.12
HSL	157°, 77%, 50%
HSV	157°, 87%, 88%
XYZ	32.9408, 56.3136, 37.9792
YIQ	157.8460, -92.7410, -64.8770

Conversions

Conversions Part 2

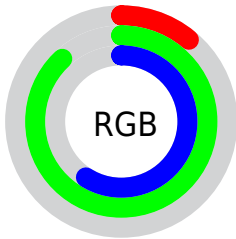
Format	Color
R _Y B	29, 150, 225
Decimal	1958294
CIE Lab	79.79, -61.69, 24.37
CIE LCh	80, 66.326, 158.440
Yxy	56.3136, 0.2589, 0.4426
Android (android.graphics.Color)	4280148374 (0xFF1DE196)
YUV	157.8460, -3.8681, -112.9979
Hunter-Lab	75.0424, -52.9694, 22.5228

Details

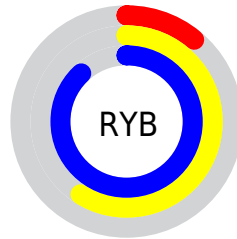
The Yxy color **56.3136, 0.2589, 0.4426** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.9035, 0.5095, 0.2682**, and the grayscale version is **34.2026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5052, 0.2640, 0.3907**, and **28.9061, 0.2635, 0.4686** is the 20% darker color. If you saturate the color by 10%, you get **55.8269, 0.2608, 0.4572**, and if you desaturate by 10%, it is **57.0625, 0.2590, 0.4277**.

Distribution



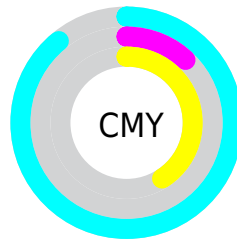
- Red (11%)
- Green (88%)
- Blue (59%)



- Red (11%)
- Yellow (59%)
- Blue (88%)



- Cyan (87%)
- Magenta (0%)
- Yellow (33%)
- Black (12%)





- Cyan (89%)
- Magenta (12%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3136, 0.2589, 0.4426 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 56.3136, 0.2589, 0.4426 by changing the saturation by 10% instead.


 56.3136, 0.2589,
0.4426


 56.3136, 0.2589,
0.4426


410.8723, 0.2868,
0.3837

 40.4544, 0.2517,
0.4578


 99.4629, 0.2692,
0.4208


 27.8930, 0.2423,
0.4777


 127.5219, 0.2730,
0.4127


 18.2450, 0.2297,
0.5045


 160.4162, 0.2762,
0.4059

 11.1261, 0.2119,
0.5424

 198.5303, 0.2790,
0.4002

 6.1517, 0.1851,
0.5993

 242.2486, 0.2813,
0.3952

 2.9375, 0.1374,
0.7001

291.9554, 0.2834,


 1.0992, 0.0000,


0.3909


1.0000

348.0351, 0.2852,
0.3871


 0.0000, 0.0000,
0.0000


 56.3136, 0.2589,
0.4426


 56.3136, 0.2589,
0.4426


 55.8269, 0.2608,
0.4572


 57.0625, 0.2590,
0.4277

 55.7068, 0.2615,
0.4615

 58.1139, 0.2611,
0.4127

 59.5060, 0.2651,
0.3979

 61.2700, 0.2710,
0.3837

 63.4330, 0.2782,
0.3702

■ 66.0200, 0.2867,
0.3577

■ 69.0534, 0.2959,
0.3461

■ 72.5544, 0.3057,
0.3357

■ 76.5425, 0.3158,
0.3263

Harmonies

Analogous

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



56.3136, 0.3392, 0.4893



56.3136, 0.2589, 0.4426



56.3136, 0.1979, 0.3498

Triad

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



56.3136, 0.2589, 0.4426



56.3136, 0.2043, 0.2004



56.3136, 0.4816, 0.3551

Complementary

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



56.3136, 0.2589, 0.4426



17.9035, 0.5095, 0.2682

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.



56.3136, 0.4368, 0.2953



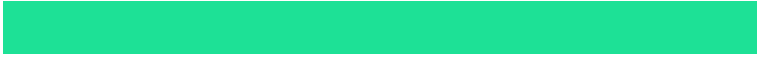
56.3136, 0.2589, 0.4426



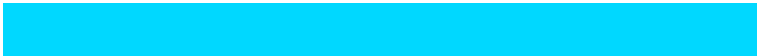
56.3136, 0.2669, 0.2111

Square

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



56.3136, 0.2589, 0.4426



56.3136, 0.1717, 0.2168



56.3136, 0.3530, 0.2446



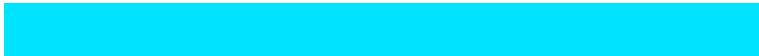
56.3136, 0.4710, 0.4172

Rectangle

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



56.3136, 0.2589, 0.4426



56.3136, 0.1748, 0.2905



56.3136, 0.3530, 0.2446



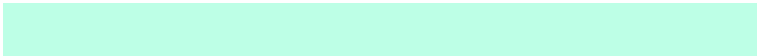
56.3136, 0.4727, 0.3346

Sweetspot

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



56.3158, 0.2589, 0.4426



87.9907, 0.2874, 0.3567



56.8999, 0.3282, 0.5677



18.5594, 0.2843, 0.3609



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.



56.3158, 0.2589, 0.4426



73.9637, 0.2618, 0.4625



48.0180, 0.2178, 0.2965



15.4787, 0.3033, 0.3381



32.1249, 0.2609, 0.4593



2.2440, 0.2547, 0.4368

Inverse Universe

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



17.9035, 0.5095, 0.2682



22.1367, 0.5495, 0.2801



18.5614, 0.6007, 0.3430



13.7870, 0.3232, 0.3200



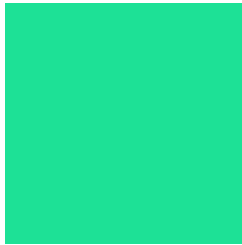
9.6347, 0.5437, 0.2769



0.6849, 0.5021, 0.2540

Previews

White Background



This preview shows how the Yxy color 56.3136, 0.2589, 0.4426 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 56.3136, 0.2589, 0.4426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

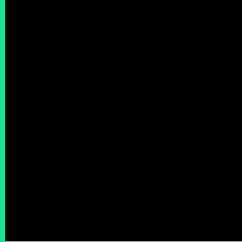
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.3136, 0.2589, 0.4426

Background



This preview shows how black text looks on a background with the Yxy color 56.3136, 0.2589, 0.4426.

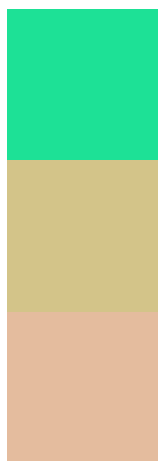


This preview shows how white text looks on a background with the Yxy color 56.3136, 0.2589, 0.4426.

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

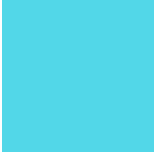
56.3136, 0.2589, 0.4426

Protanopia

55.1349, 0.3708, 0.3999

Deuteranopia

54.9290, 0.3717, 0.3636



Tritanopia

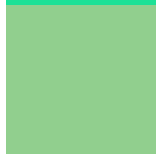
56.2209, 0.2307, 0.3063

Trichromacy



Original Color

56.3136, 0.2589, 0.4426



Protanomaly

52.5984, 0.3106, 0.4202



Deuteranomaly

51.2078, 0.3105, 0.3925



Tritanomaly

55.9841, 0.2397, 0.3528

Monochromacy



Original Color

56.3136, 0.2589, 0.4426



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

39.2020, 0.2769, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3136, 0.2589, 0.4426 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(29, 225, 150)` looks like.

```
.text, #text, p{  
    color:rgb(29, 225, 150)  
}
```

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(29, 225, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 225, 150) }
```

Border

The CSS property to change the border of an element to Yxy 56.3136, 0.2589, 0.4426 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(29, 225, 150) }
```

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

```
.border{ border-color:rgb(29, 225, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 225, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 225, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 225, 150);  
box-shadow:4px 4px 4px 4px rgb(29, 225,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3136, 0.2589, 0.4426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 225, 150) }
```

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

```
.background{ background-color: rgb(29, 225,  
150) }
```

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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