

Converting Colors

$Yxy(56.6167, 0.2616, 0.3999)$

Have a look what the booklet for
Yxy(56.6167, 0.2616, 0.3999)
contains.

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Color

Yxy(56.6228, 0.2615, 0.3997)

Conversions

Conversions Part 1

Format	Color
Hex	55DDAC
RGB	85, 221, 172
RGB Percent	33%, 87%, 67%
CMY	0.6668, 0.1333, 0.3256
CMYK	0.62, 0.00, 0.22, 0.13
HSL	158°, 67%, 60%
HSV	158°, 62%, 87%
XYZ	37.0449, 56.6228, 47.9955
YIQ	174.7500, -65.3270, -44.0710

Conversions

Conversions Part 2

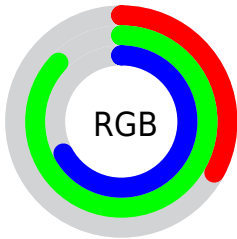
Format	Color
RYB	85, 168, 221
Decimal	5627308
CIELab	79.97, -48.42, 13.25
CIELCh	80, 50.201, 164.696
Yxy	56.6228, 0.2615, 0.3997
Android (android.graphics.Color)	4283817388 (0xFF55DDAC)
YUV	174.7500, -1.3558, -78.7108
Hunter-Lab	75.2481, -43.8080, 14.8567

Details

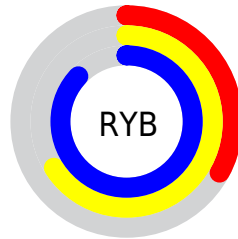
The Yxy color **56.6228, 0.2615, 0.3997** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **23.5863, 0.4341, 0.2740**, and the grayscale version is **42.7618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2691, 0.2676, 0.3614**, and **28.2663, 0.2497, 0.4191** is the 20% darker color. If you saturate the color by 10%, you get **55.4508, 0.2581, 0.4136**, and if you desaturate by 10%, it is **58.1406, 0.2668, 0.3862**.

Distribution



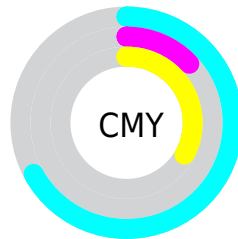
- Red (33%)
- Green (87%)
- Blue (67%)



- Red (33%)
- Yellow (66%)
- Blue (87%)



- Cyan (62%)
- Magenta (0%)
- Yellow (22%)
- Black (13%)





- Cyan (67%)
- Magenta (13%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6228, 0.2615, 0.3997 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 56.6228, 0.2615, 0.3997 by changing the saturation by 10% instead.

 56.6228, 0.2615,
0.3997

 56.6228, 0.2615,
0.3997


412.0344, 0.2869,
0.3639

 40.7025, 0.2552,
0.4087


 99.9146, 0.2707,
0.3866


 28.0867, 0.2472,
0.4204


 128.0549, 0.2742,
0.3817

 18.3910, 0.2367,
0.4360


 161.0372, 0.2771,
0.3776

 11.2311, 0.2222,
0.4578

 199.2461, 0.2796,
0.3741

 6.2225, 0.2011,
0.4904

243.0658, 0.2818,
0.3710

 2.9808, 0.1681,
0.5439

292.8809, 0.2837,

 1.1217, 0.0000,

0.3684

0.8031

349.0756, 0.2854,
0.3660

0.0000, 0.0000,
0.0000

56.6228, 0.2615,
0.3997

56.6228, 0.2615,
0.3997

55.4508, 0.2581,
0.4136

58.1406, 0.2668,
0.3862

54.5861, 0.2567,
0.4277

60.0248, 0.2736,
0.3732


53.9935, 0.2574,
0.4416

62.3024, 0.2818,
0.3611


53.6513, 0.2592,
0.4531


64.9959, 0.2910,
0.3499

68.1261, 0.3008,
0.3396

 71.7121, 0.3111,
0.3304

 75.7722, 0.3215,
0.3221

 79.0163, 0.3271,
0.3145

 79.4889, 0.3218,
0.3067

Harmonies

Analogous

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



56.6228, 0.3229, 0.4439



56.6228, 0.2615, 0.3997



56.6228, 0.2169, 0.3318

Triad

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



56.6228, 0.2615, 0.3997



56.6228, 0.2367, 0.2274



56.6228, 0.4433, 0.3639

Complementary

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



56.6228, 0.2615, 0.3997



23.5863, 0.4341, 0.2740

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.



56.6228, 0.4167, 0.3142



56.6228, 0.2615, 0.3997



56.6228, 0.2913, 0.2397

Square

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



56.6228, 0.2615, 0.3997



56.6228, 0.2046, 0.2373



56.6228, 0.3584, 0.2705



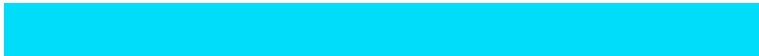
56.6228, 0.4299, 0.4115

Rectangle

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



56.6228, 0.2615, 0.3997



56.6228, 0.2010, 0.2899



56.6228, 0.3584, 0.2705



56.6228, 0.4389, 0.3471

Sweetspot

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



56.6251, 0.2615, 0.3997



91.2899, 0.2943, 0.3463



57.5112, 0.3325, 0.5104



19.2799, 0.2914, 0.3494



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.



56.6251, 0.2615, 0.3997



76.2763, 0.2575, 0.4179



49.8010, 0.2325, 0.3038



14.7458, 0.3030, 0.3376



31.1864, 0.2586, 0.4509



2.0367, 0.2524, 0.4286

Inverse Universe

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



23.5863, 0.4341, 0.2740



26.9214, 0.4762, 0.2697



25.7503, 0.4927, 0.3493



13.1287, 0.3235, 0.3206



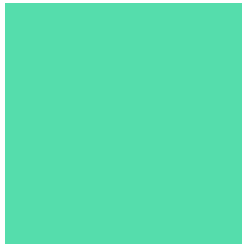
9.2831, 0.5525, 0.2817



0.6176, 0.5074, 0.2569

Previews

White Background



This preview shows how the Yxy color 56.6228, 0.2615, 0.3997 looks on a white background.

Color Contrast Check

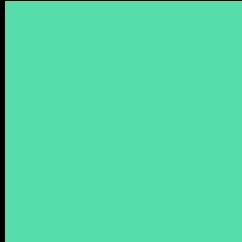
Large Text (above 18pt) WCAG AA × Fail

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 56.6228, 0.2615, 0.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

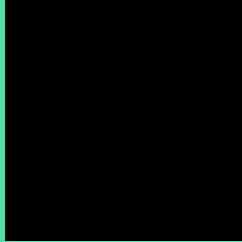
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

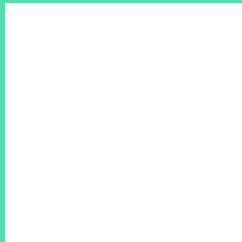
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.6228, 0.2615, 0.3997

Background



This preview shows how black text looks on a background with the Yxy color 56.6228, 0.2615, 0.3997.

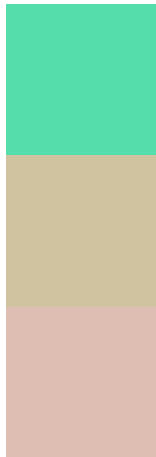


This preview shows how white text looks on a background with the Yxy color 56.6228, 0.2615, 0.3997.

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

56.6228, 0.2615, 0.3997

Protanopia

55.4278, 0.3503, 0.3727

Deuteranopia

55.6112, 0.3484, 0.3418



Tritanopia

56.3658, 0.2395, 0.3067

Trichromacy



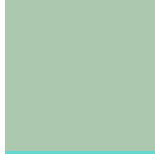
Original Color

56.6228, 0.2615, 0.3997



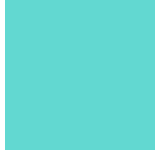
Protanomaly

54.1295, 0.3094, 0.3838



Deuteranomaly

53.6785, 0.3081, 0.3616



Tritanomaly

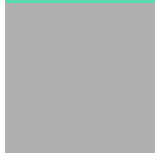
56.3119, 0.2469, 0.3383

Monochromacy



Original Color

56.6228, 0.2615, 0.3997



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.5060, 0.2870, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6228, 0.2615, 0.3997 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(85, 221, 172)` looks like.

```
.text, #text, p{  
    color:rgb(85, 221, 172)  
}
```

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(85, 221, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 221, 172) }
```

Border

The CSS property to change the border of an element to Yxy 56.6228, 0.2615, 0.3997 is called "border". The border property can be set on classes, ids or directly on the HTML element.

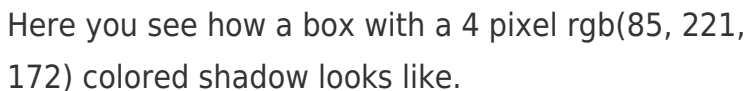
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(85, 221, 172) }
```

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

```
.border{ border-color:rgb(85, 221, 172) }
```

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



Here you see how a box with a 4 pixel `rgb(85, 221, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(85, 221, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(85, 221, 172); box-shadow:4px 4px 4px 4px rgb(85, 221, 172) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6228, 0.2615, 0.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 221, 172) }
```

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

```
.background{ background-color: rgb(85, 221,  
172) }
```

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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