

Converting Colors

$Yxy(55.1254, 0.2699, 0.4314)$

Have a look what the booklet for
Yxy(55.1254, 0.2699, 0.4314)
contains.

Yxy(55.1262, 0.2700, 0.4316)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.1262, 0.2700, 0.4316)

Conversions

Conversions Part 1

Format	Color
Hex	50DC97
RGB	80, 220, 151
RGB Percent	31%, 86%, 59%
CMY	0.6865, 0.1372, 0.4077
CMYK	0.64, 0.00, 0.31, 0.14
HSL	150°, 67%, 59%
HSV	150°, 64%, 86%
XYZ	34.4858, 55.1262, 38.1132
YIQ	170.2740, -61.2910, -51.1390

Conversions

Conversions Part 2

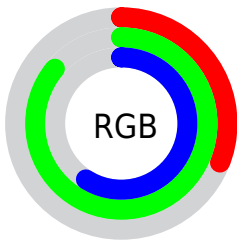
Format	Color
RYB	80, 173, 220
Decimal	5299351
CIELab	79.11, -53.36, 23.04
CIElCh	79, 58.117, 156.646
Yxy	55.1262, 0.2700, 0.4316
Android (android.graphics.Color)	4283489431 (0xFF50DC97)
YUV	170.2740, -9.5021, -79.1703
Hunter-Lab	74.2470, -47.0237, 21.5376

Details

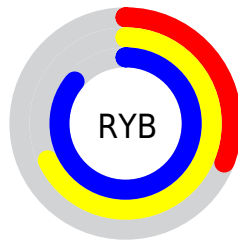
The Yxy color **55.1262, 0.2700, 0.4316** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **23.1140, 0.4118, 0.2518**, and the grayscale version is **40.4088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7270, 0.2753, 0.3875**, and **27.4710, 0.2614, 0.4610** is the 20% darker color. If you saturate the color by 10%, you get **53.9870, 0.2681, 0.4511**, and if you desaturate by 10%, it is **56.6155, 0.2738, 0.4125**.

Distribution



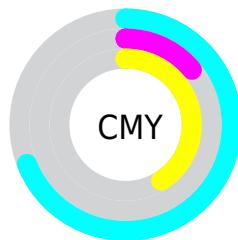
- Red (31%)
- Green (86%)
- Blue (59%)



- Red (31%)
- Yellow (68%)
- Blue (86%)



- Cyan (64%)
- Magenta (0%)
- Yellow (31%)
- Black (14%)



- Cyan (69%)
- Magenta (14%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1262, 0.2700, 0.4316 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 55.1262, 0.2700, 0.4316 by changing the saturation by 10% instead.


 55.1262, 0.2700,
0.4316


 55.1262, 0.2700,
0.4316

406.3901, 0.2923,
0.3785

 39.5028, 0.2642,
0.4453

 97.7258, 0.2783,
0.4119

 27.1511, 0.2565,
0.4632


 125.4708, 0.2814,
0.4047

 17.6867, 0.2461,
0.4874


 158.0251, 0.2839,
0.3985

 10.7253, 0.2312,
0.5218

 195.7731, 0.2861,
0.3933

 5.8824, 0.2084,
0.5738

239.0993, 0.2880,
0.3889

 2.7737, 0.1697,
0.6642

288.3879, 0.2896,

 1.0148, 0.0000,

0.3850

1.0000

344.0234, 0.2910,
0.3815

0.0000, 0.0000,
0.0000

55.1262, 0.2700,
0.4316

55.1262, 0.2700,
0.4316

53.9870, 0.2681,
0.4511

56.6155, 0.2738,
0.4125

53.1585, 0.2681,
0.4703

58.4767, 0.2791,
0.3941


52.6033, 0.2702,
0.4889


60.7375, 0.2857,
0.3769


52.3521, 0.2723,
0.5001


63.4210, 0.2932,
0.3609

66.5485, 0.3012,
0.3464

 70.1398, 0.3096,
0.3334

 74.2135, 0.3181,
0.3218

 78.6058, 0.3259,
0.3115

 79.2610, 0.3186,
0.3011

Harmonies

Analogous

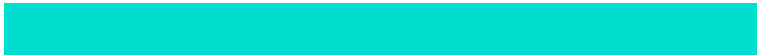
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.1262, 0.3426, 0.4699



55.1262, 0.2700, 0.4316



55.1262, 0.2129, 0.3532

Triad

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



55.1262, 0.2700, 0.4316



55.1262, 0.2128, 0.2133



55.1262, 0.4612, 0.3513

Complementary

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



55.1262, 0.2700, 0.4316



23.1140, 0.4118, 0.2518

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.



55.1262, 0.4186, 0.2966



55.1262, 0.2700, 0.4316



55.1262, 0.2683, 0.2213

Square

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



55.1262, 0.2700, 0.4316



55.1262, 0.1844, 0.2307



55.1262, 0.3441, 0.2508



55.1262, 0.4563, 0.4075

Rectangle

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



55.1262, 0.2700, 0.4316



55.1262, 0.1902, 0.3005



55.1262, 0.3441, 0.2508



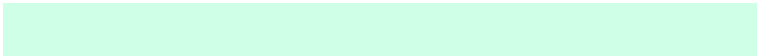
55.1262, 0.4521, 0.3325

Sweetspot

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



55.1284, 0.2700, 0.4316



90.4981, 0.2967, 0.3542



58.2501, 0.3457, 0.5083



19.1082, 0.2944, 0.3585



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.



55.1284, 0.2700, 0.4316



75.0411, 0.2679, 0.4568



58.0607, 0.2368, 0.3288



14.7160, 0.3047, 0.3407



30.7454, 0.2715, 0.4974



2.0092, 0.2633, 0.4679

Inverse Universe

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



23.1140, 0.4118, 0.2518



27.0410, 0.4436, 0.2450



21.5249, 0.5180, 0.3296



13.1579, 0.3215, 0.3175



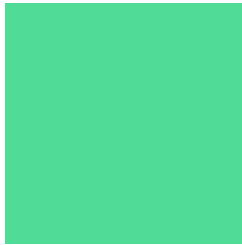
9.5921, 0.4981, 0.2518



0.6388, 0.4615, 0.2316

Previews

White Background



This preview shows how the Yxy color 55.1262, 0.2700, 0.4316 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 55.1262, 0.2700, 0.4316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

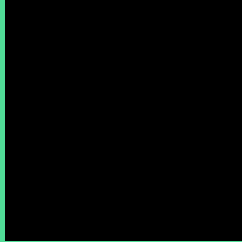
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.1262, 0.2700, 0.4316

Background



This preview shows how black text looks on a background with the Yxy color 55.1262, 0.2700, 0.4316.



This preview shows how white text looks on a background with the Yxy color 55.1262, 0.2700, 0.4316.

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

55.1262, 0.2700, 0.4316

Protanopia

54.0323, 0.3675, 0.3946

Deuteranopia

54.1780, 0.3703, 0.3627



Tritanopia

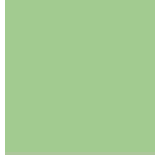
54.7034, 0.2400, 0.3064

Trichromacy



Original Color

55.1262, 0.2700, 0.4316



Protanomaly

52.4069, 0.3225, 0.4094



Deuteranomaly

52.0976, 0.3241, 0.3875



Tritanomaly

54.7580, 0.2509, 0.3497

Monochromacy



Original Color

55.1262, 0.2700, 0.4316



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.9291, 0.2906, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1262, 0.2700, 0.4316 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(80, 220, 151)` looks like.

```
.text, #text, p{  
    color:rgb(80, 220, 151)  
}
```

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(80, 220, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 220, 151) }
```

Border

The CSS property to change the border of an element to Yxy 55.1262, 0.2700, 0.4316 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(80, 220, 151) }
```

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

```
.border{ border-color:rgb(80, 220, 151) }
```

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

Here you see how a box with a 4 pixel rgb(80, 220, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 220, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 220, 151);  
box-shadow:4px 4px 4px 4px rgb(80, 220,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1262, 0.2700, 0.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 220, 151) }
```

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

```
.background{ background-color: rgb(80, 220,  
151) }
```

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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