

Converting Colors

$Yxy(55.0347, 0.2679, 0.4146)$

Have a look what the booklet for
Yxy(55.0347, 0.2679, 0.4146)
contains.

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Color

Yxy(55.2273, 0.2680, 0.4156)

Conversions

Conversions Part 1

Format	Color
Hex	57DBA0
RGB	87, 219, 160
RGB Percent	34%, 86%, 63%
CMY	0.6585, 0.1412, 0.3725
CMYK	0.60, 0.00, 0.27, 0.14
HSL	153°, 65%, 60%
HSV	153°, 60%, 86%
XYZ	35.6134, 55.2273, 42.0450
YIQ	172.8060, -59.7330, -46.3330

Conversions

Conversions Part 2

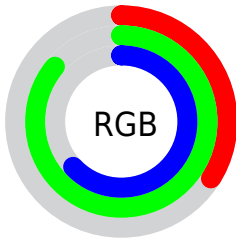
Format	Color
RYB	87, 172, 219
Decimal	5757856
CIELab	79.17, -49.76, 18.45
CIELCh	79, 53.071, 159.657
Yxy	55.2273, 0.2680, 0.4156
Android (android.graphics.Color)	4283947936 (0xFF57DBA0)
YUV	172.8060, -6.3134, -75.2519
Hunter-Lab	74.3151, -44.5104, 18.4762

Details

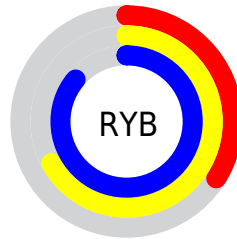
The Yxy color **55.2273, 0.2680, 0.4156** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **23.9667, 0.4127, 0.2615**, and the grayscale version is **41.7530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7222, 0.2738, 0.3759**, and **27.2771, 0.2561, 0.4421** is the 20% darker color. If you saturate the color by 10%, you get **54.0000, 0.2651, 0.4331**, and if you desaturate by 10%, it is **56.8058, 0.2727, 0.3986**.

Distribution



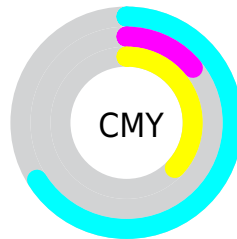
- Red (34%)
- Green (86%)
- Blue (63%)



- Red (34%)
- Yellow (67%)
- Blue (86%)



- Cyan (60%)
- Magenta (0%)
- Yellow (27%)
- Black (14%)



- Cyan (66%)
- Magenta (14%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.2273, 0.2680, 0.4156 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 55.2273, 0.2680, 0.4156 by changing the saturation by 10% instead.


 55.2273, 0.2680,
0.4156

 55.2273, 0.2680,
0.4156


406.7730, 0.2908,
0.3712

 39.5837, 0.2622,
0.4270

 97.8739, 0.2764,
0.3992

 27.2141, 0.2547,
0.4418


 125.6457, 0.2795,
0.3931

 17.7341, 0.2446,
0.4618


 158.2291, 0.2821,
0.3880

 10.7593, 0.2304,
0.4902

 196.0084, 0.2844,
0.3836

 5.9052, 0.2090,
0.5331

239.3681, 0.2863,
0.3799

 2.7875, 0.1740,
0.6044

288.6924, 0.2880,

 1.0218, 0.0000,

0.3766

1.0000

344.3659, 0.2895,
0.3737

■ 0.0000, 0.0000,
0.0000

■ 55.2273, 0.2680,
0.4156

■ 55.2273, 0.2680,
0.4156

■ 54.0000, 0.2651,
0.4331

■ 56.8058, 0.2727,
0.3986

■ 53.0866, 0.2641,
0.4507

■ 58.7556, 0.2790,
0.3823

■ 52.4533, 0.2652,
0.4680

■ 61.1029, 0.2864,
0.3672

■ 52.0431, 0.2679,
0.4843

■ 63.8699, 0.2946,
0.3533

■ 67.0768, 0.3034,
0.3406

70.7426, 0.3125,
0.3293

74.8852, 0.3217,
0.3191

78.1144, 0.3255,
0.3099

78.7069, 0.3189,
0.3005

Harmonies

Analogous

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



55.2273, 0.3344, 0.4556



55.2273, 0.2680, 0.4156



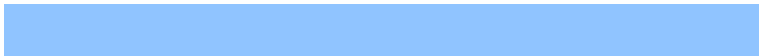
55.2273, 0.2171, 0.3440

Triad

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



55.2273, 0.2680, 0.4156



55.2273, 0.2247, 0.2217



55.2273, 0.4501, 0.3561

Complementary

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



55.2273, 0.2680, 0.4156



23.9667, 0.4127, 0.2615

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.



55.2273, 0.4149, 0.3046



55.2273, 0.2680, 0.4156



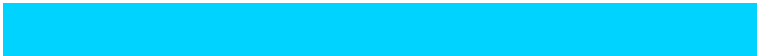
55.2273, 0.2787, 0.2311

Square

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



55.2273, 0.2680, 0.4156



55.2273, 0.1954, 0.2360



55.2273, 0.3491, 0.2605



55.2273, 0.4422, 0.4077

Rectangle

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



55.2273, 0.2680, 0.4156



55.2273, 0.1975, 0.2972



55.2273, 0.3491, 0.2605



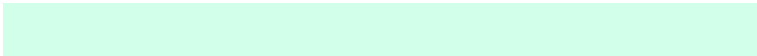
55.2273, 0.4430, 0.3386

Sweetspot

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



55.2295, 0.2680, 0.4156



91.0578, 0.2964, 0.3505



57.5020, 0.3403, 0.5019



19.2231, 0.2939, 0.3544



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.



55.2295, 0.2680, 0.4156



75.8882, 0.2646, 0.4373



54.4317, 0.2372, 0.3198



14.7261, 0.3041, 0.3397



30.8828, 0.2672, 0.4818



2.0180, 0.2596, 0.4545

Inverse Universe

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



23.9667, 0.4127, 0.2615



28.1339, 0.4457, 0.2543



23.6973, 0.4960, 0.3367



13.1478, 0.3222, 0.3186



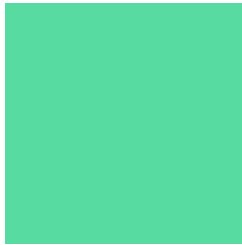
9.4733, 0.5172, 0.2623



0.6309, 0.4772, 0.2402

Previews

White Background



This preview shows how the Yxy color 55.2273, 0.2680, 0.4156 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 55.2273, 0.2680, 0.4156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

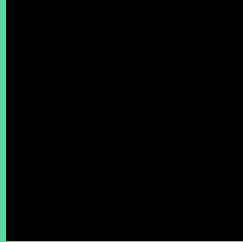
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.2273, 0.2680, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 55.2273, 0.2680, 0.4156.



This preview shows how white text looks on a background with the Yxy color 55.2273, 0.2680, 0.4156.

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

55.2273, 0.2680, 0.4156

Protanopia

54.1634, 0.3595, 0.3838

Deuteranopia

54.0186, 0.3600, 0.3524



Tritanopia

54.8904, 0.2413, 0.3065

Trichromacy



Original Color

55.2273, 0.2680, 0.4156



Protanomaly

52.9043, 0.3179, 0.3965



Deuteranomaly

52.5259, 0.3184, 0.3751



Tritanomaly

54.6670, 0.2503, 0.3426

Monochromacy



Original Color

55.2273, 0.2680, 0.4156



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

45.4048, 0.2910, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2273, 0.2680, 0.4156 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(87, 219, 160)` looks like.

```
.text, #text, p{  
  color:rgb(87, 219, 160)  
}
```

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(87, 219, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 219, 160) }
```

Border

The CSS property to change the border of an element to Yxy 55.2273, 0.2680, 0.4156 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(87, 219, 160) }
```

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

```
.border{ border-color:rgb(87, 219, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 219, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 219, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 219, 160); box-shadow:4px 4px 4px 4px rgb(87, 219, 160) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2273, 0.2680, 0.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 219, 160) }
```

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

```
.background{ background-color: rgb(87, 219,  
160) }
```

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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