

Converting Colors

Yxy(54.8628, 0.2681, 0.4239)

Have a look what the booklet for
Yxy(54.8628, 0.2681, 0.4239)
contains.

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Color

Yxy(54.7789, 0.2682, 0.4241)

Conversions

Conversions Part 1

Format	Color
Hex	51DB9B
RGB	81, 219, 155
RGB Percent	32%, 86%, 61%
CMY	0.6822, 0.1412, 0.3923
CMYK	0.63, 0.00, 0.29, 0.14
HSL	152°, 66%, 59%
HSV	152°, 63%, 86%
XYZ	34.6421, 54.7789, 39.7441
YIQ	170.4420, -61.7040, -49.1600

Conversions

Conversions Part 2

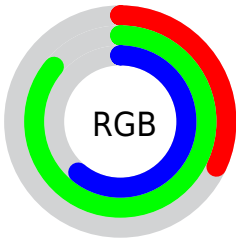
Format	Color
RYB	81, 171, 219
Decimal	5364635
CIELab	78.91, -51.95, 20.71
CIELCh	79, 55.930, 158.266
Yxy	54.7789, 0.2682, 0.4241
Android (android.graphics.Color)	4283554715 (0xFF51DB9B)
YUV	170.4420, -7.6129, -78.4406
Hunter-Lab	74.0128, -45.9745, 19.9708

Details

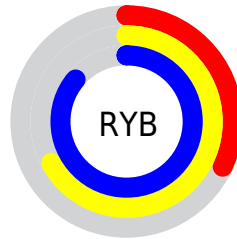
The Yxy color **54.7789, 0.2682, 0.4241** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **22.9994, 0.4162, 0.2568**, and the grayscale version is **40.4987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0128, 0.2738, 0.3824**, and **27.1939, 0.2586, 0.4509** is the 20% darker color. If you saturate the color by 10%, you get **53.6367, 0.2659, 0.4424**, and if you desaturate by 10%, it is **56.2662, 0.2723, 0.4062**.

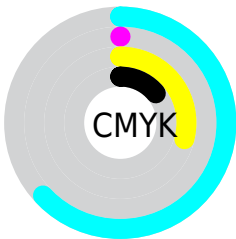
Distribution



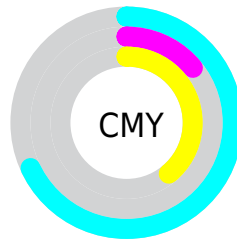
- Red (32%)
- Green (86%)
- Blue (61%)



- Red (32%)
- Yellow (67%)
- Blue (86%)



- Cyan (63%)
- Magenta (0%)
- Yellow (29%)
- Black (14%)



- Cyan (68%)
- Magenta (14%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7789, 0.2682, 0.4241 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 54.7789, 0.2682, 0.4241 by changing the saturation by 10% instead.


 54.7789, 0.2682,
0.4241


 54.7789, 0.2682,
0.4241


405.0733, 0.2912,
0.3750

 39.2247, 0.2623,
0.4368


 97.2169, 0.2767,
0.4059


 26.9346, 0.2545,
0.4533


 124.8696, 0.2799,
0.3992

 17.5241, 0.2441,
0.4756


 157.3239, 0.2825,
0.3936

 10.6089, 0.2293,
0.5073

 194.9641, 0.2847,
0.3887

 5.8045, 0.2068,
0.5555

238.1748, 0.2867,
0.3846

 2.7266, 0.1686,
0.6370

287.3403, 0.2884,

 0.9907, 0.0000,

0.3810

1.0000

342.8450, 0.2899,
0.3778

■ 0.0000, 0.0000,
0.0000

■ 54.7789, 0.2682,
0.4241

■ 54.7789, 0.2682,
0.4241

■ 53.6367, 0.2659,
0.4424

■ 56.2662, 0.2723,
0.4062

■ 52.8011, 0.2657,
0.4606

■ 58.1197, 0.2780,
0.3890

■ 52.2358, 0.2674,
0.4783

■ 60.3665, 0.2850,
0.3729

■ 51.9566, 0.2695,
0.4902

■ 63.0291, 0.2928,
0.3581

■ 66.1285, 0.3013,
0.3445

69.6840, 0.3101,
0.3324

73.7138, 0.3190,
0.3215

77.9971, 0.3269,
0.3119

78.6059, 0.3200,
0.3021

Harmonies

Analogous

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



54.7789, 0.3382, 0.4640



54.7789, 0.2682, 0.4241



54.7789, 0.2140, 0.3482

Triad

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



54.7789, 0.2682, 0.4241



54.7789, 0.2182, 0.2166



54.7789, 0.4570, 0.3541

Complementary

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



54.7789, 0.2682, 0.4241



22.9994, 0.4162, 0.2568

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.



54.7789, 0.4180, 0.3006



54.7789, 0.2682, 0.4241



54.7789, 0.2735, 0.2255

Square

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



54.7789, 0.2682, 0.4241



54.7789, 0.1890, 0.2324



54.7789, 0.3473, 0.2553



54.7789, 0.4502, 0.4084

Rectangle

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



54.7789, 0.2682, 0.4241



54.7789, 0.1928, 0.2981



54.7789, 0.3473, 0.2553



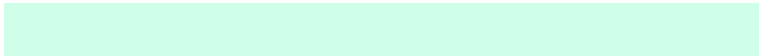
54.7789, 0.4489, 0.3358

Sweetspot

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



54.7811, 0.2682, 0.4241



90.5760, 0.2960, 0.3527



57.3175, 0.3422, 0.5085



19.1270, 0.2936, 0.3567



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.



54.7811, 0.2682, 0.4241



75.2368, 0.2656, 0.4491



55.1637, 0.2358, 0.3225



14.7223, 0.3044, 0.3401



30.8296, 0.2688, 0.4877



2.0146, 0.2610, 0.4595

Inverse Universe

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



22.9994, 0.4162, 0.2568



26.8582, 0.4520, 0.2502



22.2547, 0.5109, 0.3344



13.1516, 0.3219, 0.3182



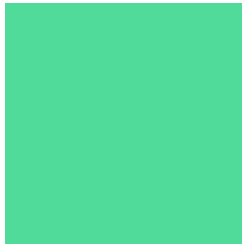
9.5163, 0.5101, 0.2584



0.6338, 0.4713, 0.2370

Previews

White Background



This preview shows how the Yxy color 54.7789, 0.2682, 0.4241 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 54.7789, 0.2682, 0.4241 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 54.7789, 0.2682, 0.4241

Background



This preview shows how black text looks on a background with the Yxy color 54.7789, 0.2682, 0.4241.

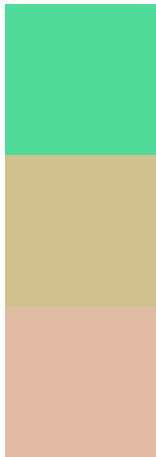


This preview shows how white text looks on a background with the Yxy color 54.7789, 0.2682, 0.4241.

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

54.7789, 0.2682, 0.4241

Protanopia

53.9766, 0.3642, 0.3911

Deuteranopia

53.5737, 0.3654, 0.3571



Tritanopia

54.7034, 0.2400, 0.3064

Trichromacy



Original Color

54.7789, 0.2682, 0.4241



Protanomaly

52.4998, 0.3205, 0.4052



Deuteranomaly

51.6620, 0.3205, 0.3810



Tritanomaly

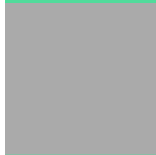
54.3469, 0.2496, 0.3455

Monochromacy



Original Color

54.7789, 0.2682, 0.4241



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

44.0863, 0.2900, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7789, 0.2682, 0.4241 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(81, 219, 155)` looks like.

```
.text, #text, p{  
    color:rgb(81, 219, 155)  
}
```

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(81, 219, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 219, 155) }
```

Border

The CSS property to change the border of an element to Yxy 54.7789, 0.2682, 0.4241 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(81, 219, 155) }
```

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

```
.border{ border-color:rgb(81, 219, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 219, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 219, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 219, 155);  
box-shadow:4px 4px 4px 4px rgb(81, 219,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7789, 0.2682, 0.4241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 219, 155) }
```

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

```
.background{ background-color: rgb(81, 219,  
155) }
```

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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