

Converting Colors

$Yxy(55.1199, 0.2666, 0.4503)$

Have a look what the booklet for
Yxy(55.1199, 0.2666, 0.4503)
contains.

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Color

Yxy(54.9798, 0.2666, 0.4507)

Conversions

Conversions Part 1

Format	Color
Hex	36DE8E
RGB	54, 222, 142
RGB Percent	21%, 87%, 56%
CMY	0.7885, 0.1294, 0.4432
CMYK	0.76, 0.00, 0.36, 0.13
HSL	151°, 72%, 54%
HSV	151°, 76%, 87%
XYZ	32.5219, 54.9798, 34.4859
YIQ	162.6480, -74.4480, -60.4960

Conversions

Conversions Part 2

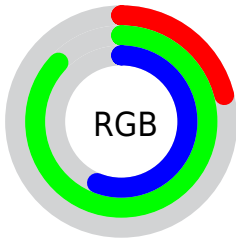
Format	Color
RYB	54, 164, 222
Decimal	3595918
CIELab	79.03, -59.89, 27.51
CIELCh	79, 65.912, 155.327
Yxy	54.9798, 0.2666, 0.4507
Android (android.graphics.Color)	4281785998 (0xFF36DE8E)
YUV	162.6480, -10.1795, -95.2843
Hunter-Lab	74.1484, -51.4685, 24.3285

Details

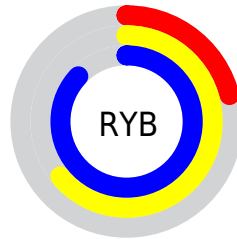
The Yxy color **54.9798, 0.2666, 0.4507** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **19.8832, 0.4461, 0.2482**, and the grayscale version is **36.5187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8655, 0.2725, 0.4017**, and **27.6656, 0.2671, 0.4817** is the 20% darker color. If you saturate the color by 10%, you get **54.1998, 0.2670, 0.4693**, and if you desaturate by 10%, it is **56.0743, 0.2682, 0.4319**.

Distribution



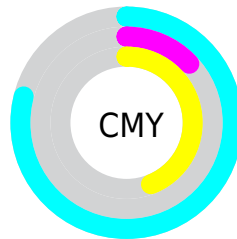
- Red (21%)
- Green (87%)
- Blue (56%)



- Red (21%)
- Yellow (64%)
- Blue (87%)



- Cyan (76%)
- Magenta (0%)
- Yellow (36%)
- Black (13%)



- Cyan (79%)
- Magenta (13%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.9798, 0.2666, 0.4507 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 54.9798, 0.2666, 0.4507 by changing the saturation by 10% instead.


 54.9798, 0.2666,
0.4507


 54.9798, 0.2666,
0.4507


405.8354, 0.2912,
0.3872

 39.3855, 0.2600,
0.4673

 97.5114, 0.2759,
0.4271

 27.0598, 0.2514,
0.4889


 125.2175, 0.2792,
0.4184


 17.6181, 0.2394,
0.5181

 157.7296, 0.2821,
0.4110

 10.6762, 0.2222,
0.5597

 195.4323, 0.2844,
0.4048

 5.8495, 0.1955,
0.6222

 238.7098, 0.2865,
0.3995

 2.7538, 0.1474,
0.7515

287.9465, 0.2883,

 1.0046, 0.0000,

0.3949

1.0000

343.5269, 0.2898,
0.3908

■ 0.0000, 0.0000,
0.0000

■ 54.9798, 0.2666,
0.4507

■ 54.9798, 0.2666,
0.4507

■ 54.1998, 0.2670,
0.4693

■ 56.0743, 0.2682,
0.4319

■ 53.6851, 0.2693,
0.4871


■ 57.5113, 0.2718,
0.4133


■ 53.5150, 0.2707,
0.4945


■ 59.3228, 0.2770,
0.3954

■ 61.5352, 0.2835,
0.3785

■ 64.1726, 0.2910,
0.3629

 67.2570, 0.2992,
0.3486

 70.8088, 0.3077,
0.3357

 74.8473, 0.3165,
0.3242

 79.3906, 0.3252,
0.3140

Harmonies

Analogous

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



54.9798, 0.3477, 0.4904



54.9798, 0.2666, 0.4507



54.9798, 0.2026, 0.3599

Triad

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



54.9798, 0.2666, 0.4507



54.9798, 0.1993, 0.2006



54.9798, 0.4798, 0.3487

Complementary

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



54.9798, 0.2666, 0.4507



19.8832, 0.4461, 0.2482

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.



54.9798, 0.4296, 0.2894



54.9798, 0.2666, 0.4507



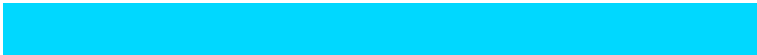
54.9798, 0.2590, 0.2087

Square

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



54.9798, 0.2666, 0.4507



54.9798, 0.1698, 0.2201



54.9798, 0.3436, 0.2400



54.9798, 0.4747, 0.4110

Rectangle

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



54.9798, 0.2666, 0.4507



54.9798, 0.1772, 0.2988



54.9798, 0.3436, 0.2400



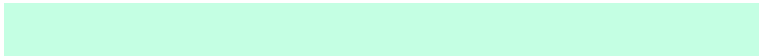
54.9798, 0.4689, 0.3283

Sweetspot

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



54.9820, 0.2666, 0.4507



88.8531, 0.2930, 0.3591



57.6775, 0.3435, 0.5382



18.7100, 0.2901, 0.3646



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.



54.9820, 0.2666, 0.4507



73.7313, 0.2682, 0.4801



56.8278, 0.2292, 0.3249



15.4566, 0.3045, 0.3404



31.8070, 0.2700, 0.4920



2.2228, 0.2624, 0.4648

Inverse Universe

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



19.8832, 0.4461, 0.2482



23.5760, 0.4880, 0.2512



18.6971, 0.5724, 0.3319



13.8087, 0.3218, 0.3179



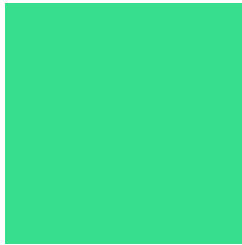
9.8607, 0.5053, 0.2557



0.7015, 0.4694, 0.2360

Previews

White Background



This preview shows how the Yxy color 54.9798, 0.2666, 0.4507 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 54.9798, 0.2666, 0.4507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

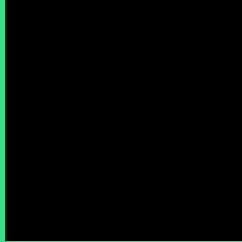
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.9798, 0.2666, 0.4507

Background



This preview shows how black text looks on a background with the Yxy color 54.9798, 0.2666, 0.4507.

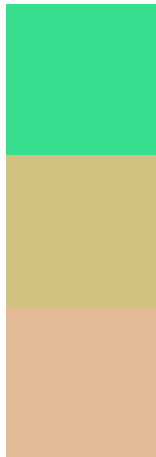


This preview shows how white text looks on a background with the Yxy color 54.9798, 0.2666, 0.4507.

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

54.9798, 0.2666, 0.4507

Protanopia

53.8969, 0.3761, 0.4062

Deuteranopia

53.6507, 0.3783, 0.3707



Tritanopia

54.5728, 0.2344, 0.3049

Trichromacy



Original Color

54.9798, 0.2666, 0.4507



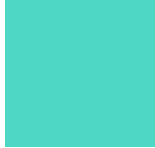
Protanomaly

51.6793, 0.3221, 0.4265



Deuteranomaly

50.8459, 0.3226, 0.4000



Tritanomaly

54.2944, 0.2454, 0.3544

Monochromacy



Original Color

54.9798, 0.2666, 0.4507



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

40.8585, 0.2856, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9798, 0.2666, 0.4507 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(54, 222, 142)` looks like.

```
.text, #text, p{  
    color:rgb(54, 222, 142)  
}
```

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(54, 222, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 222, 142) }
```

Border

The CSS property to change the border of an element to Yxy 54.9798, 0.2666, 0.4507 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(54, 222, 142) }
```

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

```
.border{ border-color:rgb(54, 222, 142) }
```

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

Here you see how a box with a 4 pixel rgb(54, 222, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 222, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 222, 142);  
box-shadow:4px 4px 4px 4px rgb(54, 222,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9798, 0.2666, 0.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 222, 142) }
```

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

```
.background{ background-color: rgb(54, 222,  
142) }
```

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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