

Converting Colors

$Y_{xy}(52.1732, 0.2758, 0.4371)$

Have a look what the booklet for
Yxy(52.1732, 0.2758, 0.4371)
contains.

Yxy(52.0547, 0.2755, 0.4367)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.0547, 0.2755, 0.4367)

Conversions

Conversions Part 1

Format	Color
Hex	56D68F
RGB	86, 214, 143
RGB Percent	34%, 84%, 56%
CMY	0.6629, 0.1608, 0.4392
CMYK	0.60, 0.00, 0.33, 0.16
HSL	147°, 61%, 59%
HSV	147°, 60%, 84%
XYZ	32.8396, 52.0547, 34.3058
YIQ	167.6340, -53.4970, -49.2170

Conversions

Conversions Part 2

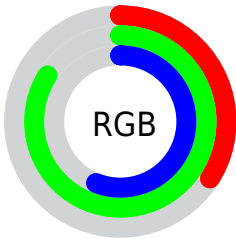
Format	Color
RYB	86, 175, 214
Decimal	5691023
CIELab	77.31, -51.36, 24.79
CIELCh	77, 57.033, 154.233
Yxy	52.0547, 0.2755, 0.4367
Android (android.graphics.Color)	4283881103 (0xFF56D68F)
YUV	167.6340, -12.1446, -71.5930
Hunter-Lab	72.1489, -45.0138, 22.3127

Details

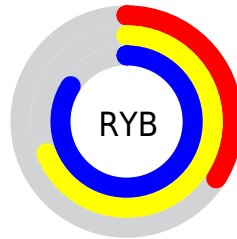
The Yxy color **52.0547, 0.2755, 0.4367** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **23.3792, 0.3911, 0.2462**, and the grayscale version is **39.0453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6622, 0.2816, 0.3985**, and **25.2264, 0.2640, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **50.8483, 0.2733, 0.4585**, and if you desaturate by 10%, it is **53.6074, 0.2794, 0.4153**.

Distribution



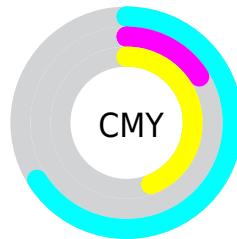
- Red (34%)
- Green (84%)
- Blue (56%)



- Red (34%)
- Yellow (69%)
- Blue (84%)



- Cyan (60%)
- Magenta (0%)
- Yellow (33%)
- Black (16%)




- Cyan (66%)
- Magenta (16%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0547, 0.2755, 0.4367 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 52.0547, 0.2755, 0.4367 by changing the saturation by 10% instead.

 52.0547, 0.2755,
0.4367


 52.0547, 0.2755,
0.4367


394.6477, 0.2955,
0.3804


 37.0487, 0.2701,
0.4515


 93.2119, 0.2831,
0.4157

 25.2452, 0.2629,
0.4708


 120.1319, 0.2858,
0.4079

 16.2598, 0.2528,
0.4972

 151.7920, 0.2881,
0.4015

 9.7082, 0.2381,
0.5350

 188.5765, 0.2901,
0.3960

 5.2059, 0.2147,
0.5929

230.8700, 0.2917,
0.3912

 2.3686, 0.1726,
0.7199

279.0568, 0.2932,

 0.8097, 0.0000,

0.3871

1.0000

333.5212, 0.2944,
0.3835

■ 0.0000, 0.0000,
0.0000

■ 52.0547, 0.2755,
0.4367

■ 52.0547, 0.2755,
0.4367

■ 50.8483, 0.2733,
0.4585

■ 53.6074, 0.2794,
0.4153

■ 49.9525, 0.2730,
0.4802

■ 55.5257, 0.2846,
0.3950

■ 49.3349, 0.2746,
0.5008

■ 57.8350, 0.2909,
0.3760

■ 48.9353, 0.2778,
0.5200

■ 60.5565, 0.2979,
0.3586

■ 48.9294, 0.2779,
0.5203

■ 63.7098, 0.3053,
0.3428

■ 67.3133, 0.3128,
0.3288

■ 71.3843, 0.3204,
0.3163

■ 75.5262, 0.3262,
0.3053

■ 76.2467, 0.3181,
0.2939

Harmonies

Analogous

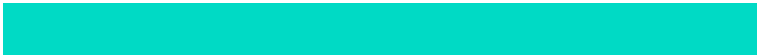
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.0547, 0.3485, 0.4705



52.0547, 0.2755, 0.4367



52.0547, 0.2165, 0.3600

Triad

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



52.0547, 0.2755, 0.4367



52.0547, 0.2095, 0.2136



52.0547, 0.4596, 0.3467

Complementary

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



52.0547, 0.2755, 0.4367



23.3792, 0.3911, 0.2462

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.



52.0547, 0.4134, 0.2925



52.0547, 0.2755, 0.4367



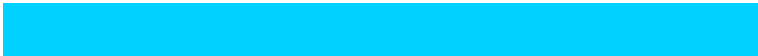
52.0547, 0.2629, 0.2197

Square

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



52.0547, 0.2755, 0.4367



52.0547, 0.1833, 0.2334



52.0547, 0.3377, 0.2477



52.0547, 0.4584, 0.4031

Rectangle

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



52.0547, 0.2755, 0.4367



52.0547, 0.1922, 0.3064



52.0547, 0.3377, 0.2477



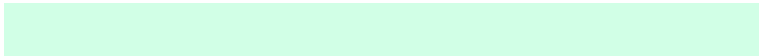
52.0547, 0.4491, 0.3281

Sweetspot

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



52.0568, 0.2755, 0.4367



90.7778, 0.2991, 0.3558



56.0901, 0.3517, 0.4940



19.1550, 0.2970, 0.3607



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.



52.0568, 0.2755, 0.4367



75.1813, 0.2730, 0.4648



54.5039, 0.2435, 0.3407



13.9870, 0.3056, 0.3422



29.5926, 0.2771, 0.5176



1.8014, 0.2677, 0.4838

Inverse Universe

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



23.3792, 0.3911, 0.2462



28.8424, 0.4172, 0.2356



21.7634, 0.4866, 0.3199



12.5349, 0.3205, 0.3161



9.4624, 0.4719, 0.2373



0.5873, 0.4387, 0.2191

Previews

White Background



This preview shows how the Yxy color 52.0547, 0.2755, 0.4367 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 52.0547, 0.2755, 0.4367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

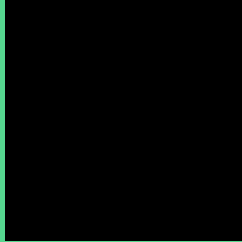
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.0547, 0.2755, 0.4367

Background



This preview shows how black text looks on a background with the Yxy color 52.0547, 0.2755, 0.4367.



This preview shows how white text looks on a background with the Yxy color 52.0547, 0.2755, 0.4367.

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

52.0547, 0.2755, 0.4367

Protanopia

51.0403, 0.3721, 0.3995

Deuteranopia

51.0301, 0.3744, 0.3670



Tritanopia

51.7212, 0.2430, 0.3060

Trichromacy



Original Color

52.0547, 0.2755, 0.4367



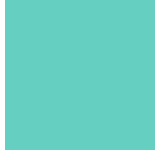
Protanomaly

49.8471, 0.3289, 0.4146



Deuteranomaly

49.4608, 0.3300, 0.3926



Tritanomaly

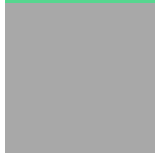
51.7287, 0.2542, 0.3501

Monochromacy



Original Color

52.0547, 0.2755, 0.4367



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

42.6044, 0.2941, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0547, 0.2755, 0.4367 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(86, 214, 143)` looks like.

```
.text, #text, p{  
    color:rgb(86, 214, 143)  
}
```

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(86, 214, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 214, 143) }
```

Border

The CSS property to change the border of an element to Yxy 52.0547, 0.2755, 0.4367 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(86, 214, 143) }
```

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

```
.border{ border-color:rgb(86, 214, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 214, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 214, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 214, 143);  
box-shadow:4px 4px 4px 4px rgb(86, 214,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0547, 0.2755, 0.4367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 214, 143) }
```

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

```
.background{ background-color: rgb(86, 214,  
143) }
```

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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