

Converting Colors

$Yxy(39.8371, 0.2828, 0.5084)$

Have a look what the booklet for
Yxy(39.8371, 0.2828, 0.5084)
contains.

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Color

Yxy(39.8525, 0.2827, 0.5080)

Conversions

Conversions Part 1

Format	Color
Hex	2BC25B
RGB	43, 194, 91
RGB Percent	17%, 76%, 36%
CMY	0.8312, 0.2392, 0.6432
CMYK	0.78, 0.00, 0.53, 0.24
HSL	139°, 64%, 46%
HSV	139°, 78%, 76%
XYZ	22.1778, 39.8525, 16.4195
YIQ	137.1090, -56.9330, -64.0450

Conversions

Conversions Part 2

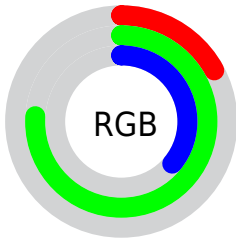
Format	Color
RYB	43, 158, 194
Decimal	2867803
CIELab	69.36, -60.13, 40.73
CIELCh	69, 72.624, 145.891
Yxy	39.8525, 0.2827, 0.5080
Android (android.graphics.Color)	4281057883 (0xFF2BC25B)
YUV	137.1090, -22.7317, -82.5336
Hunter-Lab	63.1288, -47.7667, 28.7691

Details

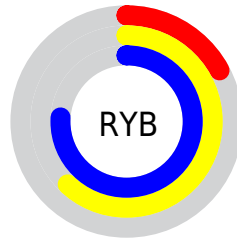
The Yxy color **39.8525, 0.2827, 0.5080** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **15.2783, 0.3917, 0.2114**, and the grayscale version is **25.1697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1147, 0.2916, 0.4703**, and **18.6253, 0.2880, 0.5569** is the 20% darker color. If you saturate the color by 10%, you get **39.3207, 0.2842, 0.5314**, and if you desaturate by 10%, it is **40.6272, 0.2829, 0.4826**.

Distribution



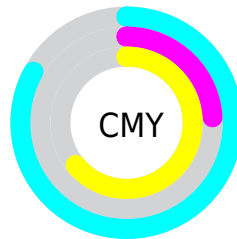
- Red (17%)
- Green (76%)
- Blue (36%)



- Red (17%)
- Yellow (62%)
- Blue (76%)



- Cyan (78%)
- Magenta (0%)
- Yellow (53%)
- Black (24%)




- Cyan (83%)
- Magenta (24%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8525, 0.2827, 0.5080 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 39.8525, 0.2827, 0.5080 by changing the saturation by 10% instead.


 39.8525, 0.2827,
0.5080


 39.8525, 0.2827,
0.5080

345.5015, 0.3029,
0.4087

 27.4236, 0.2755,
0.5357


 74.9389, 0.2915,
0.4697


 17.8916, 0.2649,
0.5727


 98.3651, 0.2944,
0.4559


 10.8722, 0.2482,
0.6238


 126.2258, 0.2966,
0.4446

 5.9809, 0.2205,
0.6986

 158.9055, 0.2984,
0.4351

 2.8335, 0.1674,
0.8326

 196.7885, 0.2999,
0.4270

 1.0454, 0.0000,
1.0000

240.2592, 0.3011,

 0.0000, 0.0000,

0.4201

0.0000

289.7021, 0.3021,
0.4140

■ 39.8525, 0.2827,
0.5080

■ 39.8525, 0.2827,
0.5080

■ 39.3207, 0.2842,
0.5314

■ 40.6272, 0.2829,
0.4826

■ 38.9877, 0.2871,
0.5518

■ 41.6669, 0.2847,
0.4563

■ 38.9277, 0.2877,
0.5558

■ 42.9964, 0.2879,
0.4303

■ 44.6362, 0.2921,
0.4055

■ 46.6050, 0.2971,
0.3823

■ 48.9200, 0.3026,
0.3612

■ 51.5971, 0.3083,
0.3423

■ 54.6513, 0.3140,
0.3255

■ 58.0965, 0.3196,
0.3107

Harmonies

Analogous

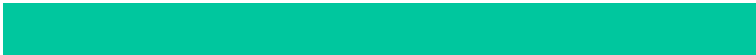
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.8525, 0.3792, 0.5229



39.8525, 0.2827, 0.5080



39.8525, 0.1994, 0.4049

Triad

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



39.8525, 0.2827, 0.5080



39.8525, 0.1647, 0.1809



39.8525, 0.5043, 0.3249

Complementary

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



39.8525, 0.2827, 0.5080



15.2783, 0.3917, 0.2114

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.



39.8525, 0.4246, 0.2605



39.8525, 0.2827, 0.5080



39.8525, 0.2216, 0.1820

Square

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



39.8525, 0.2827, 0.5080



39.8525, 0.1419, 0.2123



39.8525, 0.3143, 0.2100



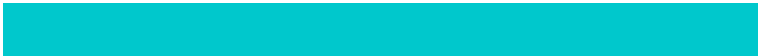
39.8525, 0.5152, 0.3956

Rectangle

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



39.8525, 0.2827, 0.5080



39.8525, 0.1632, 0.3228



39.8525, 0.3143, 0.2100



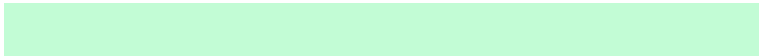
39.8525, 0.4844, 0.3025

Sweetspot

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



39.8541, 0.2827, 0.5080



86.2197, 0.2995, 0.3727



44.8884, 0.3685, 0.5232



18.5553, 0.2975, 0.3807



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.



39.8541, 0.2827, 0.5080



70.8062, 0.2860, 0.5454



41.8641, 0.2430, 0.3740



11.3104, 0.3074, 0.3451



25.6068, 0.2871, 0.5535



1.1191, 0.2739, 0.5061

Inverse Universe

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



15.2783, 0.3917, 0.2114



24.4112, 0.4143, 0.2083



13.6526, 0.5367, 0.3023



10.1913, 0.3185, 0.3134



8.6584, 0.4200, 0.2087



0.3862, 0.3928, 0.1937

Previews

White Background



This preview shows how the Yxy color 39.8525, 0.2827, 0.5080 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 39.8525, 0.2827, 0.5080 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 39.8525, 0.2827, 0.5080

Background



This preview shows how black text looks on a background with the Yxy color 39.8525, 0.2827, 0.5080.



This preview shows how white text looks on a background with the Yxy color 39.8525, 0.2827, 0.5080.

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

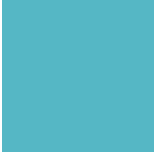
39.8525, 0.2827, 0.5080

Protanopia

39.0536, 0.4044, 0.4415

Deuteranopia

38.8991, 0.4137, 0.4046



Tritanopia

39.8295, 0.2376, 0.3076

Trichromacy



Original Color

39.8525, 0.2827, 0.5080



Protanomaly

37.1685, 0.3455, 0.4723



Deuteranomaly

36.3879, 0.3495, 0.4448



Tritanomaly

39.3114, 0.2537, 0.3768

Monochromacy



Original Color

39.8525, 0.2827, 0.5080



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.6934, 0.2942, 0.3980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8525, 0.2827, 0.5080 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(43, 194, 91)` looks like.

```
.text, #text, p{  
    color:rgb(43, 194, 91)  
}
```

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(43, 194, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 194, 91) }
```

Border

The CSS property to change the border of an element to Yxy 39.8525, 0.2827, 0.5080 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(43, 194, 91) }
```

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

```
.border{ border-color:rgb(43, 194, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 194, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 194, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 194, 91);  
box-shadow:4px 4px 4px 4px rgb(43, 194,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8525, 0.2827, 0.5080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 194, 91) }
```

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

```
.background{ background-color: rgb(43, 194,  
91) }
```

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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