

Converting Colors

$Yxy(39.8814, 0.2853, 0.5084)$

Have a look what the booklet for
Yxy(39.8814, 0.2853, 0.5084)
contains.

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Color

Yxy(39.9999, 0.2854, 0.5085)

Conversions

Conversions Part 1

Format	Color
Hex	32C25A
RGB	50, 194, 90
RGB Percent	20%, 76%, 35%
CMY	0.8042, 0.2392, 0.6470
CMYK	0.74, 0.00, 0.54, 0.24
HSL	137°, 59%, 48%
HSV	137°, 74%, 76%
XYZ	22.4503, 39.9999, 16.2123
YIQ	139.0880, -52.4400, -62.8720

Conversions

Conversions Part 2

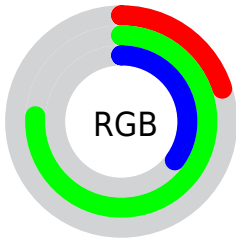
Format	Color
RYB	50, 163, 194
Decimal	3326554
CIELab	69.47, -59.33, 41.36
CIELCh	69, 72.319, 145.120
Yxy	39.9999, 0.2854, 0.5085
Android (android.graphics.Color)	4281516634 (0xFF32C25A)
YUV	139.0880, -24.2004, -78.1302
Hunter-Lab	63.2455, -47.3173, 29.0734

Details

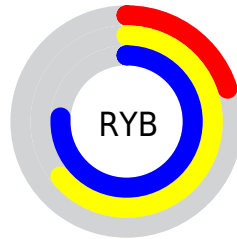
The Yxy color **39.9999, 0.2854, 0.5085** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **16.0760, 0.3775, 0.2077**, and the grayscale version is **25.9579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3557, 0.2939, 0.4708**, and **18.6117, 0.2890, 0.5603** is the 20% darker color. If you saturate the color by 10%, you get **39.3928, 0.2863, 0.5333**, and if you desaturate by 10%, it is **40.8639, 0.2861, 0.4816**.

Distribution



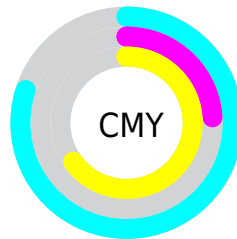
- Red (20%)
- Green (76%)
- Blue (35%)



- Red (20%)
- Yellow (64%)
- Blue (76%)



- Cyan (74%)
- Magenta (0%)
- Yellow (54%)
- Black (24%)





- Cyan (80%)
- Magenta (24%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9999, 0.2854, 0.5085 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 39.9999, 0.2854, 0.5085 by changing the saturation by 10% instead.


 39.9999, 0.2854,
0.5085


 39.9999, 0.2854,
0.5085


346.1232, 0.3043,
0.4091

 27.5385, 0.2785,
0.5361


 75.1634, 0.2938,
0.4702


 17.9780, 0.2683,
0.5730


 98.6342, 0.2964,
0.4564

 10.9342, 0.2520,
0.6238


 126.5436, 0.2985,
0.4451

 6.0226, 0.2250,
0.6983

 159.2760, 0.3002,
0.4355

 2.8588, 0.1736,
0.8264

 197.2157, 0.3015,
0.4274

 1.0585, 0.0000,
1.0000

240.7472, 0.3026,

 0.0000, 0.0000,

0.4205

0.0000

290.2549, 0.3035,
0.4144

■ 39.9999, 0.2854,
0.5085

■ 39.9999, 0.2854,
0.5085

■ 39.3928, 0.2863,
0.5333

■ 40.8639, 0.2861,
0.4816

■ 39.0067, 0.2887,
0.5547

■ 42.0058, 0.2882,
0.4541

■ 38.8529, 0.2903,
0.5652

■ 43.4498, 0.2914,
0.4269

■ 45.2159, 0.2956,
0.4012

■ 47.3227, 0.3003,
0.3774

■ 49.7871, 0.3054,
0.3558

■ 52.6250, 0.3105,
0.3365

■ 55.8513, 0.3156,
0.3195

■ 59.4799, 0.3206,
0.3046

Harmonies

Analogous

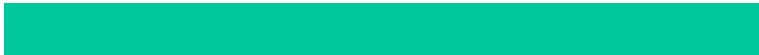
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.9999, 0.3815, 0.5211



39.9999, 0.2854, 0.5085



39.9999, 0.2017, 0.4077

Triad

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



39.9999, 0.2854, 0.5085



39.9999, 0.1644, 0.1819



39.9999, 0.5020, 0.3233

Complementary

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



39.9999, 0.2854, 0.5085



16.0760, 0.3775, 0.2077

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.



39.9999, 0.4213, 0.2594



39.9999, 0.2854, 0.5085



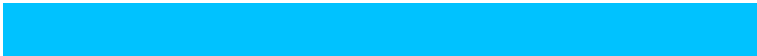
39.9999, 0.2201, 0.1822

Square

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



39.9999, 0.2854, 0.5085



39.9999, 0.1424, 0.2142



39.9999, 0.3116, 0.2094



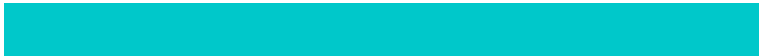
39.9999, 0.5149, 0.3937

Rectangle

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



39.9999, 0.2854, 0.5085



39.9999, 0.1649, 0.3259



39.9999, 0.3116, 0.2094



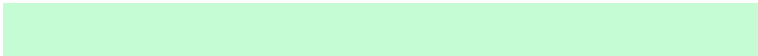
39.9999, 0.4816, 0.3011

Sweetspot

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



40.0015, 0.2854, 0.5085



86.5339, 0.3013, 0.3730



45.8433, 0.3746, 0.5126



18.6973, 0.2999, 0.3793



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.



40.0015, 0.2854, 0.5085



70.8903, 0.2876, 0.5469



41.8149, 0.2478, 0.3840



11.3039, 0.3079, 0.3461



25.5547, 0.2897, 0.5629



1.1163, 0.2767, 0.5159

Inverse Universe

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



16.0760, 0.3775, 0.2077



25.3144, 0.3961, 0.2005



14.3784, 0.5085, 0.2928



10.1982, 0.3179, 0.3125



8.8007, 0.4054, 0.2007



0.3915, 0.3825, 0.1881

Previews

White Background



This preview shows how the Yxy color 39.9999, 0.2854, 0.5085 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 39.9999, 0.2854, 0.5085 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 39.9999, 0.2854, 0.5085

Background



This preview shows how black text looks on a background with the Yxy color 39.9999, 0.2854, 0.5085.



This preview shows how white text looks on a background with the Yxy color 39.9999, 0.2854, 0.5085.

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

39.9999, 0.2854, 0.5085

Protanopia

39.0536, 0.4044, 0.4415

Deuteranopia

39.2280, 0.4139, 0.4069



Tritanopia

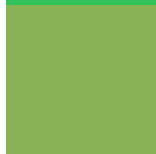
39.9729, 0.2389, 0.3077

Trichromacy



Original Color

39.9999, 0.2854, 0.5085



Protanomaly

37.4185, 0.3484, 0.4709



Deuteranomaly

37.0276, 0.3528, 0.4463



Tritanomaly

39.4651, 0.2554, 0.3766

Monochromacy



Original Color

39.9999, 0.2854, 0.5085



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.3025, 0.2969, 0.3970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9999, 0.2854, 0.5085 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(50, 194, 90)` looks like.

```
.text, #text, p{  
    color:rgb(50, 194, 90)  
}
```

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(50, 194, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 194, 90) }
```

Border

The CSS property to change the border of an element to Yxy 39.9999, 0.2854, 0.5085 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(50, 194, 90) }
```

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

```
.border{ border-color:rgb(50, 194, 90) }
```

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

Here you see how a box with a 4 pixel rgb(50, 194, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 194, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 194, 90);  
box-shadow:4px 4px 4px 4px rgb(50, 194,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9999, 0.2854, 0.5085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 194, 90) }
```

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

```
.background{ background-color: rgb(50, 194,  
90) }
```

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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