

Converting Colors

$Y_{xy}(38.8952, 0.2860, 0.5455)$

Have a look what the booklet for
Yxy(38.8952, 0.2860, 0.5455)
contains.

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Color

Yxy(39.0778, 0.2859, 0.5453)

Conversions

Conversions Part 1

Format	Color
Hex	0AC245
RGB	10, 194, 69
RGB Percent	4%, 76%, 27%
CMY	0.9621, 0.2392, 0.7293
CMYK	0.95, 0.00, 0.64, 0.24
HSL	139°, 91%, 40%
HSV	139°, 95%, 76%
XYZ	20.4884, 39.0778, 12.0967
YIQ	124.7340, -69.5390, -77.8830

Conversions

Conversions Part 2

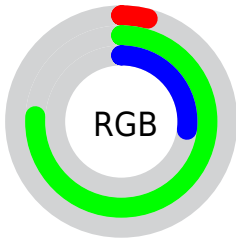
Format	Color
RYB	10, 149, 194
Decimal	705093
CIELab	68.81, -65.75, 50.07
CIELCh	69, 82.649, 142.709
Yxy	39.0778, 0.2859, 0.5453
Android (android.graphics.Color)	4278895173 (0xFF0AC245)
YUV	124.7340, -27.4769, -100.6217
Hunter-Lab	62.5122, -50.8929, 32.2854

Details

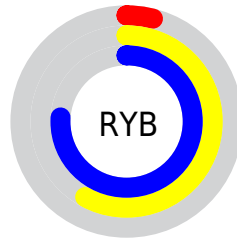
The Yxy color **39.0778, 0.2859, 0.5453** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **13.4190, 0.4166, 0.2094**, and the grayscale version is **20.4914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8507, 0.2959, 0.4990**, and **18.4806, 0.2988, 0.5956** is the 20% darker color. If you saturate the color by 10%, you get **38.9402, 0.2874, 0.5547**, and if you desaturate by 10%, it is **39.4610, 0.2833, 0.5240**.

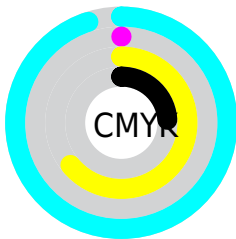
Distribution



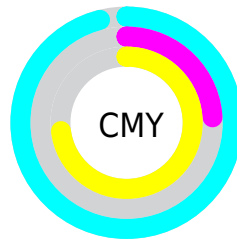
- Red (4%)
- Green (76%)
- Blue (27%)



- Red (4%)
- Yellow (58%)
- Blue (76%)



- Cyan (95%)
- Magenta (0%)
- Yellow (64%)
- Black (24%)




- Cyan (96%)
- Magenta (24%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0778, 0.2859, 0.5453 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 39.0778, 0.2859, 0.5453 by changing the saturation by 10% instead.


 39.0778, 0.2859,
0.5453


 39.0778, 0.2859,
0.5453

342.2211, 0.3070,
0.4248


 26.8203, 0.2774,
0.5784


 73.7572, 0.2958,
0.4989


 17.4383, 0.2642,
0.6219

 96.9478, 0.2989,
0.4822


 10.5475, 0.2430,
0.6801


 124.5515, 0.3011,
0.4685

 5.7634, 0.2143,
0.7857

 156.9528, 0.3029,
0.4569

 2.7018, 0.1215,
0.8785

 194.5360, 0.3043,
0.4470

 0.9781, 0.0000,
1.0000

237.6855, 0.3054,

 0.0000, 0.0000,

0.4386

0.0000

286.7858, 0.3063,
0.4312

■ 39.0778, 0.2859,
0.5453

■ 39.0778, 0.2859,
0.5453

■ 38.9402, 0.2874,
0.5547

■ 39.4610, 0.2833,
0.5240

■ 40.0589, 0.2823,
0.5000

■ 40.9039, 0.2829,
0.4743

■ 42.0219, 0.2852,
0.4482

■ 43.4351, 0.2887,
0.4226

■ 45.1634, 0.2933,
0.3984

■ 47.2252, 0.2985,
0.3759

■ 49.6371, 0.3041,
0.3556

■ 52.4147, 0.3098,
0.3374

Harmonies

Analogous

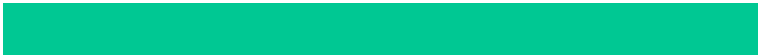
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.0778, 0.3923, 0.5429



39.0778, 0.2859, 0.5453



39.0778, 0.1917, 0.4320

Triad

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



39.0778, 0.2859, 0.5453



39.0778, 0.1449, 0.1664



39.0778, 0.5246, 0.3127

Complementary

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



39.0778, 0.2859, 0.5453



13.4190, 0.4166, 0.2094

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.



39.0778, 0.4270, 0.2448



39.0778, 0.2859, 0.5453



39.0778, 0.2017, 0.1651

Square

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



39.0778, 0.2859, 0.5453



39.0778, 0.1240, 0.2029



39.0778, 0.3005, 0.1925



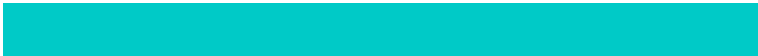
39.0778, 0.5418, 0.3878

Rectangle

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



39.0778, 0.2859, 0.5453



39.0778, 0.1501, 0.3336



39.0778, 0.3005, 0.1925



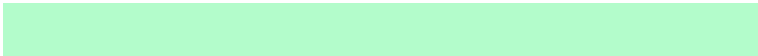
39.0778, 0.4996, 0.2891

Sweetspot

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



39.0794, 0.2859, 0.5453



83.8191, 0.2961, 0.3856



43.8115, 0.3660, 0.5447



18.0092, 0.2939, 0.3956



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.



39.0794, 0.2859, 0.5453



70.5024, 0.2882, 0.5574



41.1948, 0.2411, 0.3853



11.3111, 0.3073, 0.3450



25.6132, 0.2868, 0.5523



1.1195, 0.2736, 0.5049

Inverse Universe

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



13.4190, 0.4166, 0.2094



23.7255, 0.4254, 0.2117



11.8577, 0.5988, 0.3114



10.1905, 0.3186, 0.3135



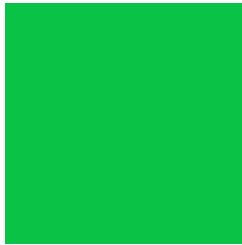
8.6430, 0.4217, 0.2097



0.3856, 0.3940, 0.1944

Previews

White Background



This preview shows how the Yxy color 39.0778, 0.2859, 0.5453 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 39.0778, 0.2859, 0.5453 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 39.0778, 0.2859, 0.5453

Background



This preview shows how black text looks on a background with the Yxy color 39.0778, 0.2859, 0.5453.



This preview shows how white text looks on a background with the Yxy color 39.0778, 0.2859, 0.5453.

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

39.0778, 0.2859, 0.5453

Protanopia

38.4135, 0.4190, 0.4611

Deuteranopia

38.0120, 0.4329, 0.4236



Tritanopia

39.0611, 0.2348, 0.3074

Trichromacy



Original Color

39.0778, 0.2859, 0.5453



Protanomaly

35.9520, 0.3470, 0.5055



Deuteranomaly

34.7160, 0.3540, 0.4782



Tritanomaly

38.0767, 0.2516, 0.3905

Monochromacy



Original Color

39.0778, 0.2859, 0.5453



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.6716, 0.2889, 0.4187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0778, 0.2859, 0.5453 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(10, 194, 69)` looks like.

```
.text, #text, p{  
    color:rgb(10, 194, 69)  
}
```

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(10, 194, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 194, 69) }
```

Border

The CSS property to change the border of an element to Yxy 39.0778, 0.2859, 0.5453 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(10, 194, 69) }
```

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

```
.border{ border-color:rgb(10, 194, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 194, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 194, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 194, 69);  
box-shadow:4px 4px 4px 4px rgb(10, 194,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0778, 0.2859, 0.5453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 194, 69) }
```

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

```
.background{ background-color: rgb(10, 194,  
69) }
```

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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