

Converting Colors

$Yxy(39.3172, 0.2778, 0.4698)$

Have a look what the booklet for
Yxy(39.3172, 0.2778, 0.4698)
contains.

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Color

Yxy(39.3172, 0.2778, 0.4698)

Conversions

Conversions Part 1

Format	Color
Hex	3BBF6E
RGB	59, 191, 110
RGB Percent	23%, 75%, 43%
CMY	0.7687, 0.2510, 0.5685
CMYK	0.69, 0.00, 0.42, 0.25
HSL	143°, 53%, 49%
HSV	143°, 69%, 75%
XYZ	23.2489, 39.3172, 21.1232
YIQ	142.2980, -52.6710, -53.1750

Conversions

Conversions Part 2

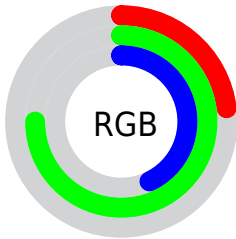
Format	Color
RYB	59, 154, 191
Decimal	3915630
CIELab	68.98, -53.60, 30.74
CIELCh	69, 61.786, 150.165
Yxy	39.3172, 0.2778, 0.4698
Android (android.graphics.Color)	4282105710 (0xFF3BBF6E)
YUV	142.2980, -15.9229, -73.0523
Hunter-Lab	62.7034, -43.5477, 23.9191

Details

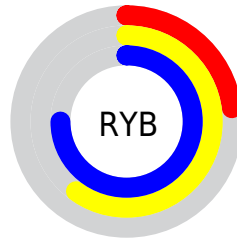
The Yxy color **39.3172, 0.2778, 0.4698** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **16.0942, 0.3951, 0.2289**, and the grayscale version is **27.2533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8810, 0.2866, 0.4400**, and **17.9452, 0.2759, 0.5133** is the 20% darker color. If you saturate the color by 10%, you get **38.5997, 0.2776, 0.4932**, and if you desaturate by 10%, it is **40.2850, 0.2798, 0.4460**.

Distribution



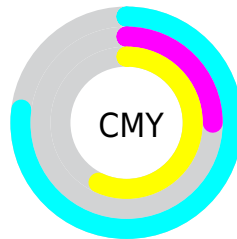
- Red (23%)
- Green (75%)
- Blue (43%)



- Red (23%)
- Yellow (60%)
- Blue (75%)



- Cyan (69%)
- Magenta (0%)
- Yellow (42%)
- Black (25%)





- Cyan (77%)
- Magenta (25%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3172, 0.2778, 0.4698 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 39.3172, 0.2778, 0.4698 by changing the saturation by 10% instead.


 39.3172, 0.2778,
0.4698


 39.3172, 0.2778,
0.4698

343.2372, 0.2987,
0.3921


 27.0066, 0.2712,
0.4917


 74.1226, 0.2863,
0.4397

 17.5782, 0.2620,
0.5212


 97.3863, 0.2892,
0.4290

 10.6476, 0.2479,
0.5629


 125.0696, 0.2916,
0.4201

 5.8304, 0.2251,
0.6252

 157.5572, 0.2935,
0.4127

 2.7422, 0.1929,
0.7682

 195.2334, 0.2951,
0.4064

 0.9987, 0.0000,
1.0000

238.4825, 0.2965,

 0.0000, 0.0000,

0.4009

0.0000

287.6890, 0.2977,
0.3962

■ 39.3172, 0.2778,
0.4698

■ 39.3172, 0.2778,
0.4698

■ 38.5997, 0.2776,
0.4932

■ 40.2850, 0.2798,
0.4460

■ 38.1019, 0.2791,
0.5153

■ 41.5205, 0.2834,
0.4225

■ 37.7806, 0.2822,
0.5353

■ 43.0449, 0.2881,
0.4001

■ 37.7559, 0.2825,
0.5370

■ 44.8760, 0.2938,
0.3793

■ 47.0299, 0.3000,
0.3602

■ 49.5217, 0.3066,
0.3430

■ 52.3656, 0.3133,
0.3277

■ 55.5748, 0.3199,
0.3142

■ 59.1620, 0.3264,
0.3023

Harmonies

Analogous

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



39.3172, 0.3629, 0.4980



39.3172, 0.2778, 0.4698



39.3172, 0.2069, 0.3790

Triad

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



39.3172, 0.2778, 0.4698



39.3172, 0.1873, 0.1968



39.3172, 0.4826, 0.3375

Complementary

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



39.3172, 0.2778, 0.4698



16.0942, 0.3951, 0.2289

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.



39.3172, 0.4212, 0.2776



39.3172, 0.2778, 0.4698



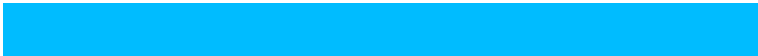
39.3172, 0.2436, 0.2008

Square

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



39.3172, 0.2778, 0.4698



39.3172, 0.1622, 0.2220



39.3172, 0.3284, 0.2294



39.3172, 0.4865, 0.4019

Rectangle

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



39.3172, 0.2778, 0.4698



39.3172, 0.1769, 0.3122



39.3172, 0.3284, 0.2294



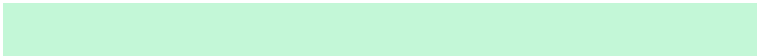
39.3172, 0.4679, 0.3168

Sweetspot

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



39.3188, 0.2778, 0.4698



83.3238, 0.2986, 0.3643



43.1885, 0.3592, 0.5119



18.0554, 0.2969, 0.3695



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.3188, 0.2778, 0.4698



68.6203, 0.2782, 0.5049



41.3112, 0.2415, 0.3534



10.7091, 0.3065, 0.3434



24.8262, 0.2818, 0.5344



0.9853, 0.2679, 0.4844

Inverse Universe

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



16.0942, 0.3951, 0.2289



24.3230, 0.4217, 0.2212



14.7017, 0.5159, 0.3121



9.6320, 0.3195, 0.3150



8.1416, 0.4468, 0.2235



0.3314, 0.4091, 0.2027

Previews

White Background



This preview shows how the Yxy color 39.3172, 0.2778, 0.4698 looks on a white background.

Color Contrast Check

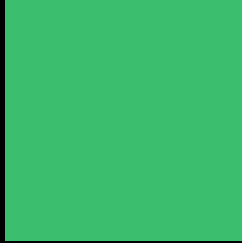
Large Text (above 18pt) WCAG AA × Fail

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 39.3172, 0.2778, 0.4698 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 39.3172, 0.2778, 0.4698

Background



This preview shows how black text looks on a background with the Yxy color 39.3172, 0.2778, 0.4698.

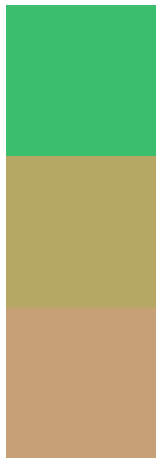


This preview shows how white text looks on a background with the Yxy color 39.3172, 0.2778, 0.4698.

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

39.3172, 0.2778, 0.4698

Protanopia

38.6443, 0.3870, 0.4190

Deuteranopia

38.5681, 0.3929, 0.3853



Tritanopia

39.1571, 0.2392, 0.3061

Trichromacy



Original Color

39.3172, 0.2778, 0.4698



Protanomaly

37.4534, 0.3362, 0.4418



Deuteranomaly

36.6366, 0.3393, 0.4169



Tritanomaly

39.0342, 0.2526, 0.3614

Monochromacy



Original Color

39.3172, 0.2778, 0.4698



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.1981, 0.2940, 0.3813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3172, 0.2778, 0.4698 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(59, 191, 110)` looks like.

```
.text, #text, p{  
    color:rgb(59, 191, 110)  
}
```

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(59, 191, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 191, 110) }
```

Border

The CSS property to change the border of an element to Yxy 39.3172, 0.2778, 0.4698 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(59, 191, 110) }
```

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

```
.border{ border-color:rgb(59, 191, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 191, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 191, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 191, 110);  
box-shadow:4px 4px 4px 4px rgb(59, 191,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3172, 0.2778, 0.4698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 191, 110) }
```

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

```
.background{ background-color: rgb(59, 191,  
110) }
```

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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