

Converting Colors

$Yxy(39.6108, 0.2754, 0.4851)$

Have a look what the booklet for
Yxy(39.6108, 0.2754, 0.4851)
contains.

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Color

Yxy(39.6108, 0.2754, 0.4851)

Conversions

Conversions Part 1

Format	Color
Hex	29C168
RGB	41, 193, 104
RGB Percent	16%, 76%, 41%
CMY	0.8386, 0.2432, 0.5922
CMYK	0.79, 0.00, 0.46, 0.24
HSL	145°, 65%, 46%
HSV	145°, 79%, 76%
XYZ	22.4878, 39.6108, 19.5564
YIQ	137.4060, -62.0230, -59.9030

Conversions

Conversions Part 2

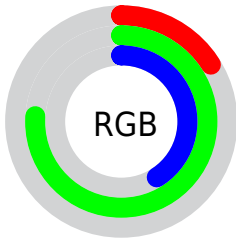
Format	Color
RYB	41, 148, 193
Decimal	2736488
CIELab	69.19, -57.96, 34.04
CIELCh	69, 67.214, 149.573
Yxy	39.6108, 0.2754, 0.4851
Android (android.graphics.Color)	4280926568 (0xFF29C168)
YUV	137.4060, -16.4692, -84.5481
Hunter-Lab	62.9371, -46.3609, 25.6329

Details

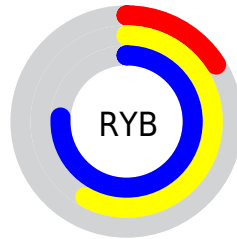
The Yxy color **39.6108, 0.2754, 0.4851** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **14.5502, 0.4195, 0.2275**, and the grayscale version is **25.2778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7742, 0.2848, 0.4525**, and **18.4528, 0.2802, 0.5289** is the 20% darker color. If you saturate the color by 10%, you get **39.0920, 0.2768, 0.5067**, and if you desaturate by 10%, it is **40.3583, 0.2759, 0.4625**.

Distribution



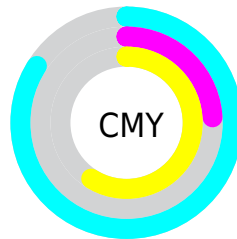
- Red (16%)
- Green (76%)
- Blue (41%)



- Red (16%)
- Yellow (58%)
- Blue (76%)



- Cyan (79%)
- Magenta (0%)
- Yellow (46%)
- Black (24%)





- Cyan (84%)
- Magenta (24%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6108, 0.2754, 0.4851 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 39.6108, 0.2754, 0.4851 by changing the saturation by 10% instead.

 39.6108, 0.2754,
0.4851


 39.6108, 0.2754,
0.4851

344.4804, 0.2982,
0.3986

 27.2352, 0.2681,
0.5094


 74.5705, 0.2848,
0.4516

 17.7500, 0.2577,
0.5422


 97.9234, 0.2880,
0.4397


 10.7706, 0.2420,
0.5883


 125.7042, 0.2905,
0.4298

 5.9128, 0.2162,
0.6562

 158.2973, 0.2926,
0.4215

 2.7921, 0.1780,
0.8220

 196.0870, 0.2944,
0.4145

 1.0242, 0.0000,
1.0000

239.4579, 0.2958,

 0.0000, 0.0000,

0.4085

0.0000

288.7942, 0.2971,
0.4032

■ 39.6108, 0.2754,
0.4851

■ 39.6108, 0.2754,
0.4851

■ 39.0920, 0.2768,
0.5067

■ 40.3583, 0.2759,
0.4625

■ 38.7544, 0.2799,
0.5265

■ 41.3559, 0.2781,
0.4396

■ 38.7154, 0.2803,
0.5290

■ 42.6275, 0.2819,
0.4173

■ 44.1930, 0.2870,
0.3960

■ 46.0704, 0.2930,
0.3762

■ 48.2762, 0.2996,
0.3580

■ 50.8255, 0.3066,
0.3417

■ 53.7327, 0.3137,
0.3272

■ 57.0112, 0.3207,
0.3143

Harmonies

Analogous

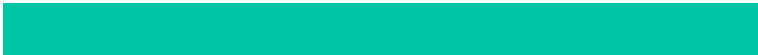
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.6108, 0.3663, 0.5120



39.6108, 0.2754, 0.4851



39.6108, 0.1996, 0.3852

Triad

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



39.6108, 0.2754, 0.4851



39.6108, 0.1780, 0.1880



39.6108, 0.4959, 0.3349

Complementary

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



39.6108, 0.2754, 0.4851



14.5502, 0.4195, 0.2275

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.



39.6108, 0.4284, 0.2722



39.6108, 0.2754, 0.4851



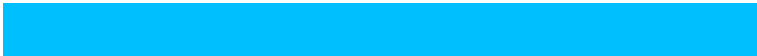
39.6108, 0.2366, 0.1921

Square

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



39.6108, 0.2754, 0.4851



39.6108, 0.1522, 0.2144



39.6108, 0.3271, 0.2217



39.6108, 0.4997, 0.4030

Rectangle

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



39.6108, 0.2754, 0.4851



39.6108, 0.1679, 0.3116



39.6108, 0.3271, 0.2217



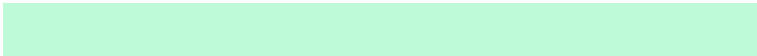
39.6108, 0.4798, 0.3132

Sweetspot

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



39.6124, 0.2754, 0.4851



84.1396, 0.2958, 0.3682



43.2262, 0.3576, 0.5325



17.7579, 0.2935, 0.3748



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.



39.6124, 0.2754, 0.4851



69.5851, 0.2788, 0.5203



41.8198, 0.2365, 0.3531



11.3264, 0.3061, 0.3428



25.7667, 0.2796, 0.5266



1.1270, 0.2670, 0.4811

Inverse Universe

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



14.5502, 0.4195, 0.2275



22.9365, 0.4517, 0.2288



13.2231, 0.5620, 0.3161



10.1747, 0.3199, 0.3156



8.3519, 0.4579, 0.2296



0.3743, 0.4195, 0.2085

Previews

White Background



This preview shows how the Yxy color 39.6108, 0.2754, 0.4851 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 39.6108, 0.2754, 0.4851 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 39.6108, 0.2754, 0.4851

Background



This preview shows how black text looks on a background with the Yxy color 39.6108, 0.2754, 0.4851.



This preview shows how white text looks on a background with the Yxy color 39.6108, 0.2754, 0.4851.

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

39.6108, 0.2754, 0.4851

Protanopia

39.0218, 0.3924, 0.4273

Deuteranopia

38.7290, 0.3997, 0.3911



Tritanopia

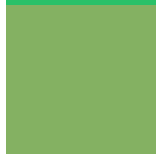
39.2364, 0.2355, 0.3060

Trichromacy



Original Color

39.6108, 0.2754, 0.4851



Protanomaly

37.2317, 0.3348, 0.4542



Deuteranomaly

36.4488, 0.3382, 0.4274



Tritanomaly

38.9554, 0.2494, 0.3668

Monochromacy



Original Color

39.6108, 0.2754, 0.4851



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.4194, 0.2892, 0.3870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6108, 0.2754, 0.4851 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(41, 193, 104)` looks like.

```
.text, #text, p{  
    color:rgb(41, 193, 104)  
}
```

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(41, 193, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 193, 104) }
```

Border

The CSS property to change the border of an element to Yxy 39.6108, 0.2754, 0.4851 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(41, 193, 104) }
```

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

```
.border{ border-color:rgb(41, 193, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 193, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 193, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 193, 104);  
box-shadow:4px 4px 4px 4px rgb(41, 193,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6108, 0.2754, 0.4851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 193, 104) }
```

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

```
.background{ background-color: rgb(41, 193,  
104) }
```

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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