

Converting Colors

`RYB(39, 190, 106)`

Have a look what the booklet for
RYB(39, 190, 106) contains.

RYB(39, 190, 106)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(39, 190, 106)

Conversions

Conversions Part 1

Format	Color
Hex	7BBE27
RGB	123, 190, 39
RGB Percent	48%, 75%, 15%
CMY	0.5176, 0.2549, 0.8471
CMYK	0.35, 0.00, 0.79, 0.25
HSL	87°, 66%, 45%
HSV	87°, 79%, 75%
XYZ	26.9480, 41.1843, 8.4485
YIQ	152.7530, 8.5390, -61.1650

Conversions

Conversions Part 2

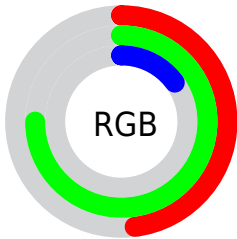
Format	Color
RYB	39, 190, 106
Decimal	8109607
CIELab	70.30, -43.53, 63.50
CIELCh	70, 76.986, 124.433
Yxy	41.1843, 0.3519, 0.5378
Android (android.graphics.Color)	4286299687 (0xFF7BBE27)
YUV	152.7530, -56.0802, -26.0934
Hunter-Lab	64.1750, -37.3515, 37.1171

Details

The RYB color **39, 190, 106** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **106, 39, 190**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **97, 247, 164**, and **0, 136, 70** is the 20% darker color. If you saturate the color by 10%, you get **20, 190, 95**, and if you desaturate by 10%, it is **58, 190, 117**.

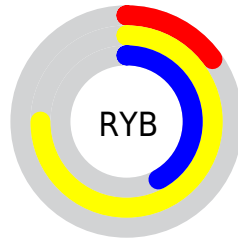
Distribution



Red (48%)

Green (75%)

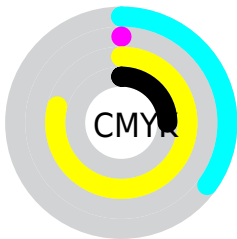
Blue (15%)



Red (15%)

Yellow (75%)

Blue (42%)

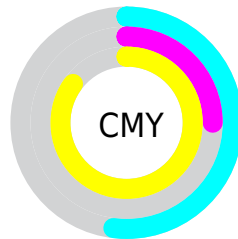


Cyan (35%)

Magenta (0%)

Yellow (79%)

Black (25%)



Cyan (52%)


Magenta (25%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the RYB color 39, 190, 106 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 RYB color 39, 190, 106 by changing the saturation by 10% instead.

 39, 190, 106

 39, 190, 106


255, 255, 255

 0, 163, 68


 97, 247, 164

 0, 136, 70

 125, 255, 171

 0, 110, 75

 153, 255, 169

 0, 85, 85

 181, 255, 181

 0, 61, 61


 210, 255, 210


 0, 40, 40

 239, 255, 239

 0, 2, 2

 0, 0, 0

 39, 190, 106

 39, 190, 106

■ 20, 190, 95

■ 58, 190, 117

■ 1, 190, 85

■ 77, 190, 127

■ 0, 190, 84

■ 96, 190, 138

■ 115, 190, 148

■ 134, 190, 159

■ 153, 190, 169

■ 172, 190, 180

■ 190, 190, 191

■ 199, 190, 210

Harmonies

Analogous

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



27, 196, 0



39, 190, 106



0, 130, 200

Triad

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



39, 190, 106



0, 111, 255



255, 98, 164

Complementary

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



39, 190, 106



106, 39, 190

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.



255, 115, 234



39, 190, 106



0, 104, 255

Square

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



39, 190, 106



0, 112, 250



185, 148, 255



255, 117, 97

Rectangle

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



39, 190, 106



0, 115, 203



185, 148, 255



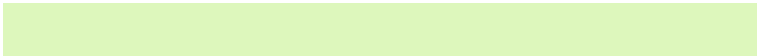
255, 101, 188

Sweetspot

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



39, 190, 106



188, 247, 214



190, 153, 39



89, 125, 105



252, 252, 252



125, 125, 125

Same Dimension

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



39, 190, 106



12, 247, 116



39, 190, 180



85, 94, 89



0, 158, 70



0, 31, 14

Inverse Universe

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



106, 39, 190



117, 12, 247



180, 39, 190



89, 85, 94



70, 0, 158



14, 0, 31

Previews

White Background



This preview shows how the RYB color 39, 190, 106 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 RYB color 39, 190, 106 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](#).

RYB 39, 190, 106 Background



This preview shows how black text looks on a background with the RYB color 39, 190, 106.



This preview shows how white text looks on a background with the RYB color 39, 190, 106.

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](#).

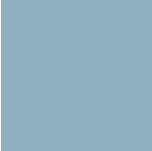
Dichromacy



Original Color
39, 190, 106

Protanopia
60, 193, 34

Deuteranopia
129, 214, 52



Tritanopia
142, 162, 191

Trichromacy



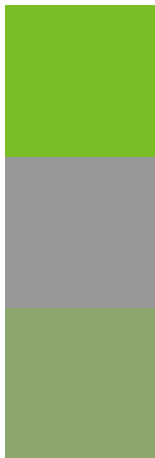
Original Color
39, 190, 106

Protanomaly
36, 178, 46

Deuteranomaly
57, 181, 47

Tritanomaly
135, 181, 182

Monochromacy



Original Color
39, 190, 106

Achromatopsia
153, 153, 153

Achromatomaly
112, 166, 136

CSS Examples

Text

The CSS property to change the color of the text to RYB 39, 190, 106 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(123, 190, 39)` looks like.

```
.text, #text, p{  
    color:rgb(123, 190, 39)  
}
```

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(123, 190, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 190, 39) }
```

Border

The CSS property to change the border of an element to RYB 39, 190, 106 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(123, 190, 39) }
```

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

```
.border{ border-color:rgb(123, 190, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 190, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 190, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 190, 39);  
box-shadow:4px 4px 4px 4px rgb(123, 190,  
39) }
```

Background

The CSS property to change the background color of an element to RYB 39, 190, 106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 190, 39) }
```

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

```
.background{ background-color: rgb(123,  
190, 39) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor