

Converting Colors

`RYB(60, 191, 86)`

Have a look what the booklet for
RYB(60, 191, 86) contains.

RYB(60, 191, 86)	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(60, 191, 86)

Conversions

Conversions Part 1

Format	Color
Hex	A5BF3C
RGB	165, 191, 60
RGB Percent	65%, 75%, 24%
CMY	0.3529, 0.2510, 0.7647
CMYK	0.14, 0.00, 0.69, 0.25
HSL	72°, 52%, 49%
HSV	72°, 69%, 75%
XYZ	34.9635, 45.5872, 11.2314
YIQ	168.2920, 26.5550, -46.2530

Conversions

Conversions Part 2

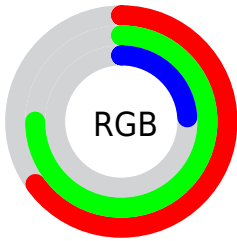
Format	Color
RYB	60, 191, 86
Decimal	10862396
CIELab	73.28, -26.56, 60.13
CIELCh	73, 65.732, 113.829
Yxy	45.5872, 0.3809, 0.4967
Android (android.graphics.Color)	4289052476 (0xFFA5BF3C)
YUV	168.2920, -53.3880, -2.8871
Hunter-Lab	67.5183, -25.7231, 37.4001

Details

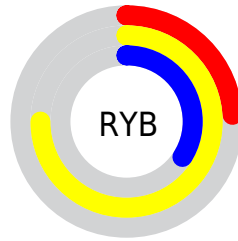
The RYB color **60, 191, 86** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **86, 60, 191**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **115, 247, 139**, and **0, 138, 28** is the 20% darker color. If you saturate the color by 10%, you get **41, 191, 71**, and if you desaturate by 10%, it is **79, 191, 101**.

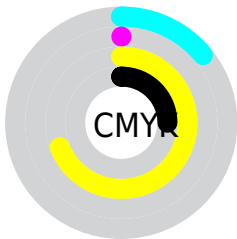
Distribution



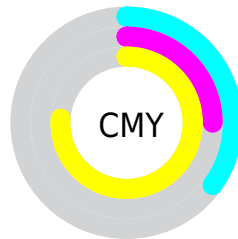
- Red (65%)
- Green (75%)
- Blue (24%)



- Red (24%)
- Yellow (75%)
- Blue (34%)



- Cyan (14%)
- Magenta (0%)
- Yellow (69%)
- Black (25%)





















- Cyan (35%)
- Magenta (25%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the RYB color 60, 191, 86 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 60, 191, 86 by changing the saturation by 10% instead.

 60, 191, 86	 60, 191, 86
 255, 255, 255	 30, 164, 57
 115, 247, 139	 0, 138, 28
 142, 255, 145	 0, 112, 29
 170, 255, 170	 0, 88, 31
 198, 255, 198	 0, 64, 35
 227, 255, 227	 0, 42, 42
	 0, 20, 20
	 0, 0, 0
 60, 191, 86	 60, 191, 86

41, 191, 71

79, 191, 101

22, 191, 56

98, 191, 116

3, 191, 40

117, 191, 132

0, 191, 38

136, 191, 147

156, 191, 163

175, 191, 178

192, 191, 194

195, 191, 213

199, 191, 232

Harmonies

Analogous

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



120, 223, 50



60, 191, 86



87, 187, 203

Triad

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



60, 191, 86



0, 113, 255



255, 125, 195

Complementary

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



60, 191, 86



86, 60, 191

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.



241, 144, 252



60, 191, 86



0, 109, 255

Square

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



60, 191, 86



0, 109, 227



159, 168, 255



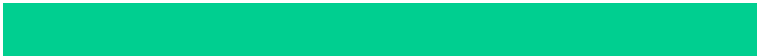
255, 129, 135

Rectangle

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



60, 191, 86



0, 122, 207



159, 168, 255



255, 130, 215

Sweetspot

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



60, 191, 86



195, 247, 205



191, 89, 60



94, 125, 100



252, 252, 252



125, 125, 125

Same Dimension

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



60, 191, 86



45, 247, 85



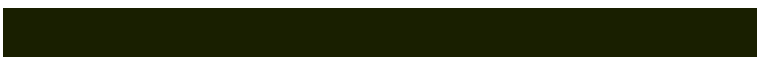
60, 191, 150



85, 94, 87



0, 158, 31



0, 31, 6

Inverse Universe

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



86, 60, 191



85, 45, 247



150, 60, 191



87, 85, 94



31, 0, 158



6, 0, 31

Previews

White Background



This preview shows how the RYB color 60, 191, 86 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 60, 191, 86 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](#).

RYP 60, 191, 86 Background



This preview shows how black text looks on a background with the RYB color 60, 191, 86.



This preview shows how white text looks on a background with the RYB color 60, 191, 86.

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


60, 191, 86

Protanopia

82, 201, 57

Deuteranopia

147, 224, 67



Tritanopia
179, 178, 193

Trichromacy



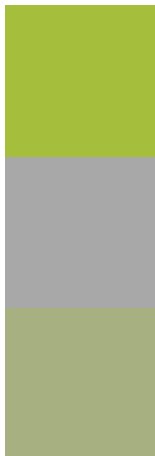
Original Color
60, 191, 86

Protanomaly
62, 188, 58

Deuteranomaly
94, 203, 64

Tritanomaly
145, 183, 154

Monochromacy



Original Color
60, 191, 86

Achromatopsia
168, 168, 168

Achromatomaly
129, 176, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 60, 191, 86 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(165, 191, 60)` looks like.

```
.text, #text, p{  
    color:rgb(165, 191, 60)  
}
```

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(165, 191, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 191, 60) }
```

Border

The CSS property to change the border of an element to RYB 60, 191, 86 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(165, 191, 60) }
```

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

```
.border{ border-color:rgb(165, 191, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 191, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 191, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 191, 60);  
box-shadow:4px 4px 4px 4px rgb(165, 191,  
60) }
```

Background

The CSS property to change the background color of an element to RYB 60, 191, 86 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 191, 60) }
```

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

```
.background{ background-color: rgb(165,  
191, 60) }
```

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