

Converting Colors

`RYB(73, 214, 106)`

Have a look what the booklet for
RYB(73, 214, 106) contains.

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Color

$\text{RYB}(73, 214, 106)$

Conversions

Conversions Part 1

Format	Color
Hex	B5D649
RGB	181, 214, 73
RGB Percent	71%, 84%, 29%
CMY	0.2902, 0.1608, 0.7137
CMYK	0.15, 0.00, 0.66, 0.16
HSL	74°, 63%, 56%
HSV	74°, 66%, 84%
XYZ	44.3052, 58.3979, 15.2401
YIQ	188.0590, 25.5930, -50.8470

Conversions

Conversions Part 2

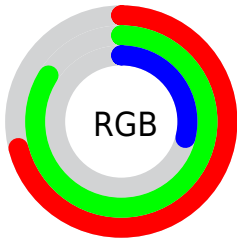
Format	Color
RYB	73, 214, 106
Decimal	11916873
CIELab	80.96, -30.25, 63.33
CIElCh	81, 70.182, 115.530
Yxy	58.3979, 0.3756, 0.4951
Android (android.graphics.Color)	4290106953 (0xFFB5D649)
YUV	188.0590, -56.7241, -6.1907
Hunter-Lab	76.4185, -30.2434, 41.6688

Details

The RYB color **73, 214, 106** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **106, 73, 214**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **128, 255, 144**, and **0, 159, 34** is the 20% darker color. If you saturate the color by 10%, you get **52, 214, 90**, and if you desaturate by 10%, it is **94, 214, 122**.

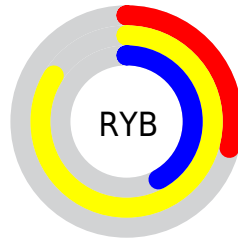
Distribution



Red (71%)

Green (84%)

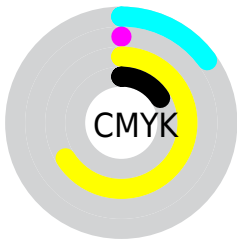
Blue (29%)



Red (29%)

Yellow (84%)

Blue (42%)

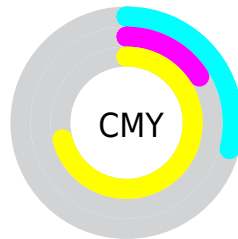


Cyan (15%)

Magenta (0%)

Yellow (66%)

Black (16%)



Cyan (29%)


















Magenta (16%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RYB color 73, 214, 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 73, 214, 106 by changing the saturation by 10% instead.

 73, 214, 106	 73, 214, 106
 255, 255, 255	 44, 186, 77
 128, 255, 144	 0, 159, 34
 156, 255, 156	 0, 133, 36
 184, 255, 184	 0, 108, 38
 213, 255, 213	 0, 83, 40
 242, 255, 242	 0, 60, 49
	 0, 38, 38
	 0, 7, 7
	 0, 0, 0

■ 73, 214, 106

■ 73, 214, 106

■ 52, 214, 90

■ 94, 214, 122

■ 30, 214, 73

■ 116, 214, 139

■ 9, 214, 57

■ 137, 214, 155

■ 0, 214, 50

■ 159, 214, 172

■ 180, 214, 188

■ 201, 214, 204

■ 216, 214, 223

■ 221, 214, 244

■ 226, 214, 255

Harmonies

Analogous

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



130, 245, 60



73, 214, 106



94, 202, 226

Triad

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



73, 214, 106



0, 120, 255



255, 142, 214

Complementary

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



73, 214, 106



106, 73, 214

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, 160, 255



73, 214, 106



0, 115, 255

Square

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



73, 214, 106



0, 121, 255



186, 188, 255



255, 146, 148

Rectangle

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



73, 214, 106



0, 134, 231



186, 188, 255



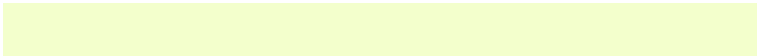
255, 146, 236

Sweetspot

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



73, 214, 106



204, 255, 216



214, 116, 73



97, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



73, 214, 106



54, 255, 101



73, 214, 176



96, 107, 98



0, 171, 40



0, 43, 10

Inverse Universe

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



106, 73, 214



101, 54, 255



176, 73, 214



99, 96, 107



40, 0, 171



10, 0, 43

Previews

White Background



This preview shows how the RYB color 73, 214, 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 73, 214, 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 73, 214, 106 Background



This preview shows how black text looks on a background with the RYB color 73, 214, 106.

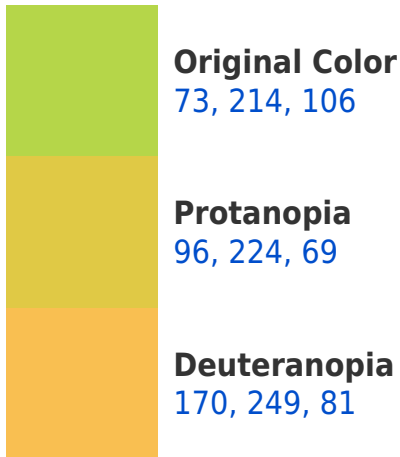


This preview shows how white text looks on a background with the RYB color 73, 214, 106.

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





Tritanopia
197, 200, 216

Trichromacy



Original Color

73, 214, 106

Protanomaly

72, 208, 70

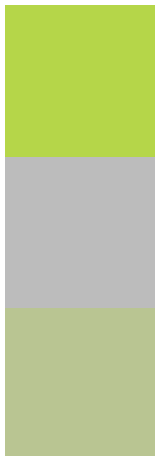
Deuteranomaly

108, 224, 78

Tritanomaly

164, 205, 178

Monochromacy



Original Color

73, 214, 106

Achromatopsia

188, 188, 188

Achromatomaly

146, 197, 158

CSS Examples

Text

The CSS property to change the color of the text to RYB 73, 214, 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(181, 214, 73)` looks like.

```
.text, #text, p{  
    color:rgb(181, 214, 73)  
}
```

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(181, 214, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 214, 73) }
```

Border

The CSS property to change the border of an element to RYB 73, 214, 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(181, 214, 73) }
```

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

```
.border{ border-color:rgb(181, 214, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 214, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 214, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 214, 73);  
box-shadow:4px 4px 4px 4px rgb(181, 214,  
73) }
```

Background

The CSS property to change the background color of an element to RGB 73, 214, 106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 214, 73) }
```

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

```
.background{ background-color: rgb(181,  
214, 73) }
```

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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