

Converting Colors

R_YB(49, 214, 88)

Have a look what the booklet for
RYB(49, 214, 88) contains.

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Color

RYB(49, 214, 88)

Conversions

Conversions Part 1

Format	Color
Hex	AFD631
RGB	175, 214, 49
RGB Percent	69%, 84%, 19%
CMY	0.3137, 0.1608, 0.8078
CMYK	0.18, 0.00, 0.77, 0.16
HSL	74°, 67%, 52%
HSV	74°, 77%, 84%
XYZ	42.2801, 57.4288, 11.7622
YIQ	183.5290, 29.7210, -59.5830

Conversions

Conversions Part 2

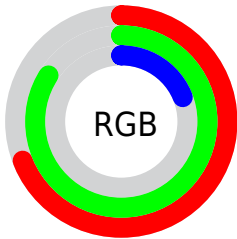
Format	Color
R _Y B	49, 214, 88
Decimal	11523633
CIE Lab	80.42, -33.92, 70.99
CIE LCh	80, 78.678, 115.540
Yxy	57.4288, 0.3793, 0.5152
Android (android.graphics.Color)	4289713713 (0xFFAFD631)
YUV	183.5290, -66.3228, -7.4799
Hunter-Lab	75.7818, -33.0296, 43.8448

Details

The RYB color **49, 214, 88** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **88, 49, 214**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **108, 255, 129**, and **0, 159, 41** is the 20% darker color. If you saturate the color by 10%, you get **28, 214, 72**, and if you desaturate by 10%, it is **70, 214, 104**.

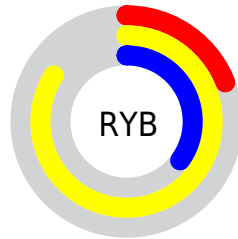
Distribution



Red (69%)

Green (84%)

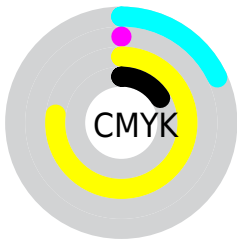
Blue (19%)



Red (19%)

Yellow (84%)

Blue (35%)

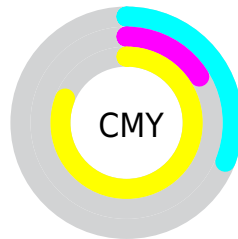


Cyan (18%)

Magenta (0%)

Yellow (77%)

Black (16%)



Cyan (31%)

















Magenta (16%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the RYB color 49, 214, 88 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 49, 214, 88 by changing the saturation by 10% instead.

 49, 214, 88	 49, 214, 88
255, 255, 255	 1, 186, 41
 108, 255, 129	 0, 159, 41
 137, 255, 137	 0, 133, 43
 165, 255, 165	 0, 107, 44
 194, 255, 194	 0, 83, 51
 223, 255, 223	 0, 59, 59
253, 255, 253	 0, 38, 38
	 0, 3, 3
	 0, 0, 0

■ 49, 214, 88

■ 49, 214, 88

■ 28, 214, 72

■ 70, 214, 104

■ 6, 214, 55

■ 92, 214, 121

■ 0, 214, 51

■ 113, 214, 137

■ 135, 214, 154

■ 156, 214, 170

■ 177, 214, 186

■ 199, 214, 203

■ 215, 214, 220

■ 221, 214, 242

Harmonies

Analogous

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



101, 246, 29



49, 214, 88



68, 193, 227

Triad

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



49, 214, 88



0, 120, 255



255, 129, 214

Complementary

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



49, 214, 88



88, 49, 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, 152, 255



49, 214, 88



0, 115, 255

Square

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



49, 214, 88



0, 122, 255



179, 185, 255



255, 135, 141

Rectangle

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



49, 214, 88



0, 137, 232



179, 185, 255



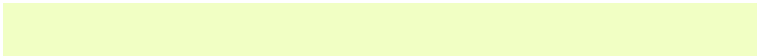
255, 134, 238

Sweetspot

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



49, 214, 88



196, 255, 210



214, 100, 49



92, 128, 101



0, 0, 0



128, 128, 128

Same Dimension

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



49, 214, 88



18, 255, 74



49, 214, 170



96, 107, 98



0, 171, 41



0, 43, 10

Inverse Universe

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



88, 49, 214



74, 18, 255



170, 49, 214



99, 96, 107



40, 0, 171



10, 0, 43

Previews

White Background



This preview shows how the RYB color 49, 214, 88 looks on a white background.

Color Contrast Check

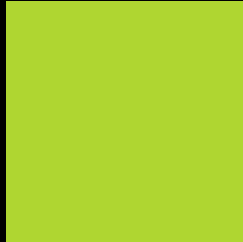
Large Text (above 18pt) WCAG AA × Fail

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 49, 214, 88 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](#).

R Y B 49, 214, 88 Background



This preview shows how black text looks on a background with the R Y B color 49, 214, 88.

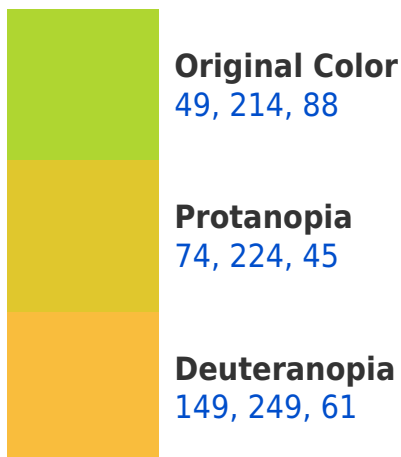


This preview shows how white text looks on a background with the R Y B color 49, 214, 88.

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
192, 197, 215

Trichromacy



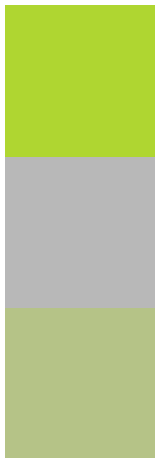
Original Color
49, 214, 88

Protanomaly
48, 206, 46

Deuteranomaly
85, 222, 57

Tritanomaly
155, 204, 173

Monochromacy



Original Color
49, 214, 88

Achromatopsia
184, 184, 184

Achromatomaly
135, 195, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 49, 214, 88 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(175, 214, 49)` looks like.

```
.text, #text, p{  
    color:rgb(175, 214, 49)  
}
```

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(175, 214, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 214, 49) }
```

Border

The CSS property to change the border of an element to RYB 49, 214, 88 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(175, 214, 49) }
```

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

```
.border{ border-color:rgb(175, 214, 49) }
```

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

Here you see how a box with a 4 pixel rgb(175, 214, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 214, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 214, 49);  
box-shadow:4px 4px 4px 4px rgb(175, 214,  
49) }
```

Background

The CSS property to change the background color of an element to RYB 49, 214, 88 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 214, 49) }
```

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

```
.background{ background-color: rgb(175,  
214, 49) }
```

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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