

Converting Colors

`RYB(71, 225, 82)`

Have a look what the booklet for
RYB(71, 225, 82) contains.

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Color

RYB(71, 225, 82)

Conversions

Conversions Part 1

Format	Color
Hex	D6E147
RGB	214, 225, 71
RGB Percent	84%, 88%, 28%
CMY	0.1608, 0.1176, 0.7216
CMYK	0.05, 0.00, 0.68, 0.12
HSL	64°, 72%, 58%
HSV	64°, 68%, 88%
XYZ	55.7941, 68.6015, 16.2620
YIQ	204.1550, 42.8780, -50.2260

Conversions

Conversions Part 2

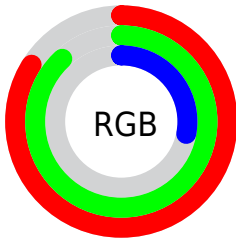
Format	Color
RYB	71, 225, 82
Decimal	14082375
CIELab	86.31, -22.32, 70.28
CIELCh	86, 73.738, 107.622
Yxy	68.6015, 0.3967, 0.4877
Android (android.graphics.Color)	4292272455 (0xFFD6E147)
YUV	204.1550, -65.6454, 8.6341
Hunter-Lab	82.8260, -24.7026, 46.3373

Details

The RYB color **71, 225, 82** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **82, 71, 225**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **128, 255, 128**, and **0, 170, 14** is the 20% darker color. If you saturate the color by 10%, you get **49, 225, 62**, and if you desaturate by 10%, it is **94, 225, 103**.

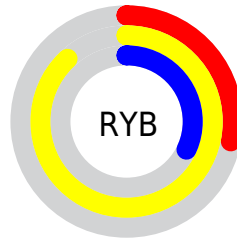
Distribution



Red (84%)

Green (88%)

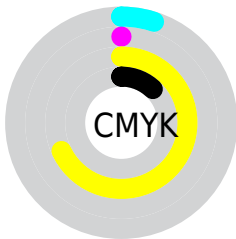
Blue (28%)



Red (28%)

Yellow (88%)

Blue (32%)

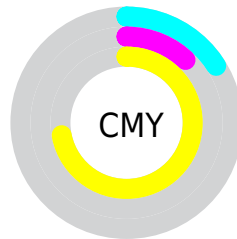


Cyan (5%)

Magenta (0%)

Yellow (68%)

Black (12%)



Cyan (16%)


















Magenta (12%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the RYB color 71, 225, 82 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 71, 225, 82 by changing the saturation by 10% instead.

 71, 225, 82	 71, 225, 82
 255, 255, 255	 39, 197, 51
 128, 255, 128	 0, 170, 14
 156, 255, 156	 0, 143, 16
 185, 255, 185	 0, 118, 18
 214, 255, 214	 0, 93, 21
 243, 255, 243	 0, 70, 25
	 0, 47, 29
	 0, 29, 29
	 0, 0, 0

71, 225, 82

71, 225, 82

49, 225, 62

94, 225, 103

26, 225, 40

116, 225, 124

3, 225, 19

139, 225, 145

0, 225, 16

161, 225, 166

184, 225, 187

206, 225, 207

225, 225, 228

227, 225, 251

228, 225, 255

Harmonies

Analogous

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



147, 255, 72



71, 225, 82



117, 240, 225

Triad

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



71, 225, 82



0, 125, 255



255, 156, 248

Complementary

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



71, 225, 82



82, 71, 225

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, 180, 255



71, 225, 82



0, 121, 255

Square

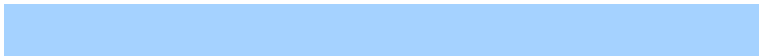
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71, 225, 82



0, 126, 255



165, 195, 255



255, 154, 178

Rectangle

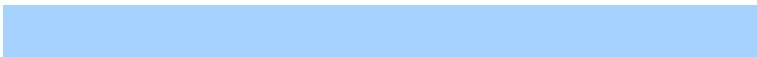
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 225, 82



2, 150, 246



165, 195, 255



255, 162, 255

Sweetspot

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



71, 225, 82



201, 255, 205



225, 82, 71



96, 128, 99



0, 0, 0



128, 128, 128

Same Dimension

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



71, 225, 82



46, 255, 61



71, 225, 158



101, 112, 102



0, 176, 13



0, 48, 3

Inverse Universe

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



82, 71, 225



61, 46, 255



158, 71, 225



102, 101, 112



13, 0, 176



3, 0, 48

Previews

White Background



This preview shows how the RYB color 71, 225, 82 looks on a white background.

Color Contrast Check

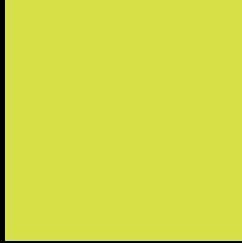
Large Text (above 18pt) WCAG AA × Fail

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 71, 225, 82 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 71, 225, 82 Background



This preview shows how black text looks on a background with the R Y B color 71, 225, 82.

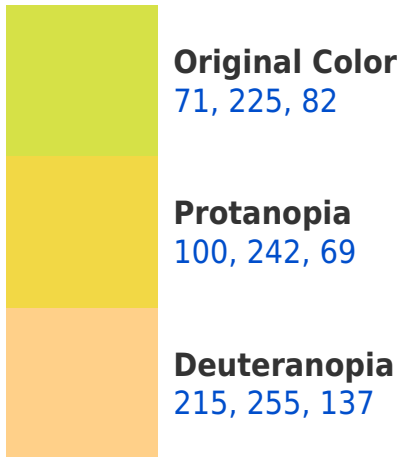


This preview shows how white text looks on a background with the R Y B color 71, 225, 82.

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](#).

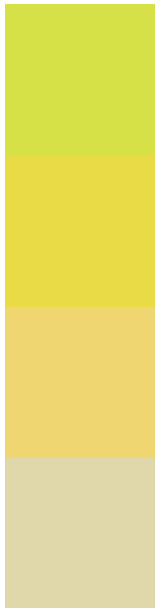
Dichromacy





Tritanopia
229, 210, 227

Trichromacy



Original Color

71, 225, 82

Protanomaly

84, 232, 70

Deuteranomaly

146, 240, 113

Tritanomaly

181, 224, 170

Monochromacy



Original Color

71, 225, 82

Achromatopsia

204, 204, 204

Achromatomaly

156, 212, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 71, 225, 82 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(214, 225, 71)` looks like.

```
.text, #text, p{  
    color:rgb(214, 225, 71)  
}
```

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(214, 225, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 225, 71) }
```

Border

The CSS property to change the border of an element to RYB 71, 225, 82 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(214, 225, 71) }
```

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

```
.border{ border-color:rgb(214, 225, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 225, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 225, 71); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 225, 71); box-shadow:4px 4px 4px 4px rgb(214, 225, 71) }
```

Background

The CSS property to change the background color of an element to RGB 214, 225, 71 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 225, 71) }
```

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

```
.background{ background-color: rgb(214,  
225, 71) }
```

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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