

Converting Colors

`RYB(172, 242, 129)`

Have a look what the booklet for
RYB(172, 242, 129) contains.

RYB(172, 242, 129)	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

R_YB(172, 242, 129)

Conversions

Conversions Part 1

Format	Color
Hex	F2D381
RGB	242, 211, 129
RGB Percent	95%, 83%, 51%
CMY	0.0510, 0.1731, 0.4941
CMYK	0.00, 0.13, 0.47, 0.05
HSL	43°, 81%, 73%
HSV	43°, 47%, 95%
XYZ	63.8381, 66.9775, 30.3322
YIQ	210.9210, 44.7980, -18.9300

Conversions

Conversions Part 2

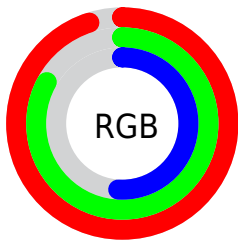
Format	Color
RYB	172, 242, 129
Decimal	15913857
CIELab	85.49, 0.41, 44.37
CIELCh	85, 44.369, 89.474
Yxy	66.9775, 0.3961, 0.4156
Android (android.graphics.Color)	4294103937 (0xFFFF2D381)
YUV	210.9210, -40.3871, 27.2563
Hunter-Lab	81.8398, -3.9831, 35.3133

Details

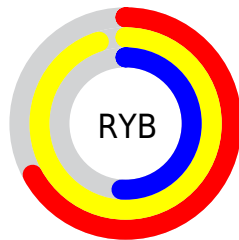
The RYB color **172, 242, 129** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **129, 153, 242**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **183, 255, 183**, and **114, 184, 78** is the 20% darker color. If you saturate the color by 10%, you get **158, 242, 105**, and if you desaturate by 10%, it is **186, 242, 153**.

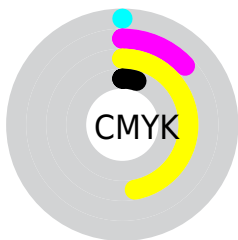
Distribution



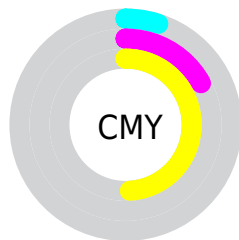
- Red (95%)
- Green (83%)
- Blue (51%)



- Red (67%)
- Yellow (95%)
- Blue (51%)



- Cyan (0%)
- Magenta (13%)
- Yellow (47%)
- Black (5%)



- Cyan (5%)
- Magenta (17%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 242, 129 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 172, 242, 129 by changing the saturation by 10% instead.

 172, 242, 129

255, 255, 255

 183, 255, 183


 211, 255, 211

 240, 255, 240

 172, 242, 129

 144, 213, 103

 114, 184, 78


 86, 156, 53

 55, 128, 27

 23, 101, 0

 22, 76, 0

 16, 50, 0

 12, 25, 0

 0, 0, 0

■ 172, 242, 129

■ 172, 242, 129

■ 158, 242, 105

■ 186, 242, 153

■ 142, 242, 81

■ 202, 242, 177

■ 126, 242, 56

■ 217, 242, 202

■ 112, 242, 32

■ 231, 242, 226

■ 96, 242, 8

■ 242, 244, 250

■ 93, 242, 0

■ 242, 247, 255

■ 242, 249, 255

Harmonies

Analogous

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



255, 244, 143



172, 242, 129



139, 224, 165

Triad

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



172, 242, 129



34, 139, 254



255, 189, 255

Complementary

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



172, 242, 129



129, 153, 242

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.



217, 203, 255



172, 242, 129



76, 158, 255

Square

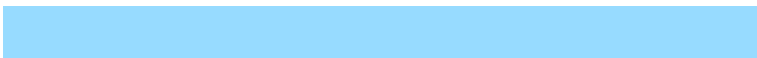
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



172, 242, 129



92, 171, 236



151, 192, 255



255, 181, 216

Rectangle

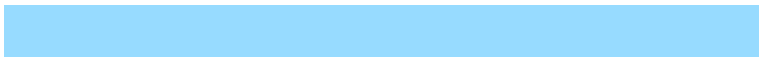
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



172, 242, 129



158, 230, 222



151, 192, 255



252, 193, 255

Sweetspot

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



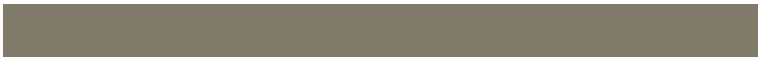
172, 242, 129



233, 255, 219



242, 129, 161



114, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

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



172, 242, 129



166, 255, 112



129, 242, 153



112, 120, 108



71, 184, 0



20, 56, 0

Inverse Universe

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



129, 153, 242



112, 143, 255



153, 129, 242



108, 110, 120



0, 40, 184



0, 12, 56

Previews

White Background



This preview shows how the RYB color 172, 242, 129 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 172, 242, 129 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 172, 242, 129 Background



This preview shows how black text looks on a background with the RYB color 172, 242, 129.



This preview shows how white text looks on a background with the RYB color 172, 242, 129.

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
172, 242, 129

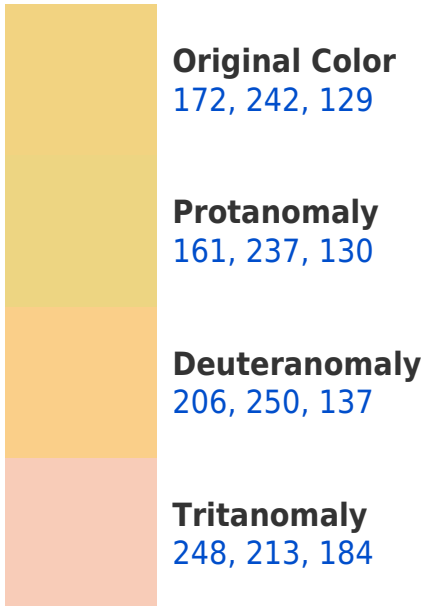
Protanopia
155, 234, 130

Deuteranopia
230, 255, 141



Tritanopia
251, 200, 216

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 242, 129 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(242, 211, 129)` looks like.

```
.text, #text, p{  
    color:rgb(242, 211, 129)  
}
```

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(242, 211, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 211, 129) }
```

Border

The CSS property to change the border of an element to RYB 172, 242, 129 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(242, 211, 129) }
```

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

```
.border{ border-color:rgb(242, 211, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 211, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 211, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 211, 129);  
box-shadow:4px 4px 4px 4px rgb(242, 211,  
129) }
```

Background

The CSS property to change the background color of an element to RYB 172, 242, 129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 211, 129) }
```

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

```
.background{ background-color: rgb(242,  
211, 129) }
```

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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