

Converting Colors

`RYB(163, 249, 112)`

Have a look what the booklet for
RYB(163, 249, 112) contains.

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Color

R_YB(163, 249, 112)

Conversions

Conversions Part 1

Format	Color
Hex	F9D470
RGB	249, 212, 112
RGB Percent	98%, 83%, 44%
CMY	0.0235, 0.1693, 0.5608
CMYK	0.00, 0.15, 0.55, 0.02
HSL	44°, 92%, 71%
HSV	44°, 55%, 98%
XYZ	65.4938, 68.3142, 25.0633
YIQ	211.6630, 54.1520, -23.2560

Conversions

Conversions Part 2

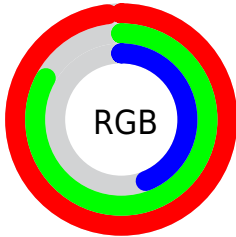
Format	Color
R _Y B	163, 249, 112
Decimal	16372848
CIE Lab	86.16, 1.27, 53.57
CIE LCh	86, 53.587, 88.642
Yxy	68.3142, 0.4122, 0.4300
Android (android.graphics.Color)	4294562928 (0xFFFF9D470)
YUV	211.6630, -49.1339, 32.7445
Hunter-Lab	82.6524, -3.1981, 39.8777

Details

The RYB color **163, 249, 112** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **112, 141, 249**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **166, 255, 166**, and **102, 190, 60** is the 20% darker color. If you saturate the color by 10%, you get **147, 249, 87**, and if you desaturate by 10%, it is **178, 249, 137**.

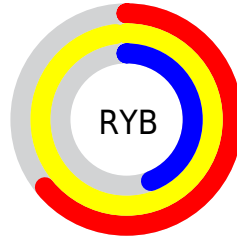
Distribution



Red (98%)

Green (83%)

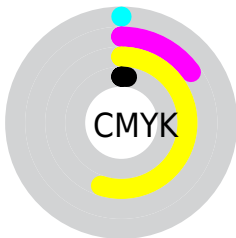
Blue (44%)



Red (64%)

Yellow (98%)

Blue (44%)

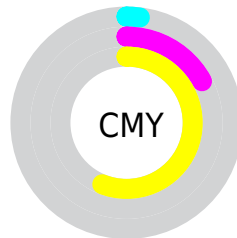


Cyan (0%)

Magenta (15%)

Yellow (55%)

Black (2%)



Cyan (2%)

Magenta (17%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 249, 112 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 163, 249, 112 by changing the saturation by 10% instead.

 163, 249, 112

255, 255, 255

 166, 255, 166


 194, 255, 194


 222, 255, 222

 251, 255, 251


 163, 249, 112

 134, 219, 86

 102, 190, 60


 70, 161, 33

 32, 133, 0

 28, 105, 0

 25, 79, 0

 19, 52, 0

 16, 28, 0

 0, 0, 0

■ 163, 249, 112

■ 163, 249, 112

■ 147, 249, 87

■ 178, 249, 137

■ 132, 249, 62

■ 195, 249, 162

■ 115, 249, 37

■ 210, 249, 187

■ 100, 249, 12

■ 226, 249, 212

■ 94, 249, 0

■ 241, 249, 237

■ 249, 251, 255

■ 249, 252, 255

Harmonies

Analogous

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



249, 255, 130



163, 249, 112



124, 227, 154

Triad

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



163, 249, 112



0, 124, 255



255, 185, 255

Complementary

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



163, 249, 112



112, 141, 249

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.



216, 203, 255



163, 249, 112



0, 122, 255

Square

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



163, 249, 112



30, 144, 242



127, 181, 255



255, 174, 220

Rectangle

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



163, 249, 112



146, 234, 223



127, 181, 255



255, 190, 255

Sweetspot

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



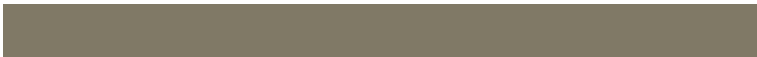
163, 249, 112



229, 255, 212



249, 112, 151



112, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



163, 249, 112



150, 255, 87



112, 249, 142



116, 125, 112



70, 189, 0



22, 61, 0

Inverse Universe

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



112, 141, 249



87, 122, 255



142, 112, 249



112, 115, 125



0, 40, 189



0, 13, 61

Previews

White Background



This preview shows how the RYB color 163, 249, 112 looks on a white background.

Color Contrast Check

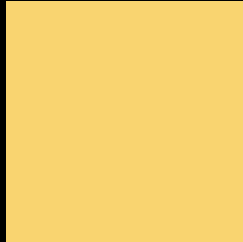
Large Text (above 18pt) WCAG AA × Fail

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 163, 249, 112 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 163, 249, 112 Background



This preview shows how black text looks on a background with the RYB color 163, 249, 112.



This preview shows how white text looks on a background with the RYB color 163, 249, 112.

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
163, 249, 112

Protanopia
140, 238, 113

Deuteranopia
224, 255, 143



Tritanopia
255, 201, 216

Trichromacy



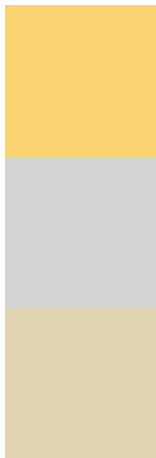
Original Color
163, 249, 112

Protanomaly
149, 242, 113

Deuteranomaly
201, 253, 132

Tritanomaly
253, 220, 178

Monochromacy



Original Color
163, 249, 112

Achromatopsia
212, 212, 212

Achromatomaly
194, 225, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 249, 112 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(249, 212, 112)` looks like.

```
.text, #text, p{  
    color:rgb(249, 212, 112)  
}
```

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(249, 212, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 212, 112) }
```

Border

The CSS property to change the border of an element to RYB 163, 249, 112 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(249, 212, 112) }
```

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

```
.border{ border-color:rgb(249, 212, 112) }
```

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

Here you see how a box with a 4 pixel rgb(249, 212, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 212, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 212, 112);  
box-shadow:4px 4px 4px 4px rgb(249, 212,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 163, 249, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 212, 112) }
```

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

```
.background{ background-color: rgb(249,  
212, 112) }
```

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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