

Converting Colors

`RYB(150, 248, 104)`

Have a look what the booklet for
RYB(150, 248, 104) contains.

RYB(150, 248, 104)	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(150, 248, 104)

Conversions

Conversions Part 1

Format	Color
Hex	F8D568
RGB	248, 213, 104
RGB Percent	97%, 84%, 41%
CMY	0.0275, 0.1642, 0.5922
CMYK	0.00, 0.14, 0.58, 0.03
HSL	45°, 91%, 69%
HSV	45°, 58%, 97%
XYZ	65.0388, 68.6133, 22.9125
YIQ	211.0390, 55.8490, -26.4790

Conversions

Conversions Part 2

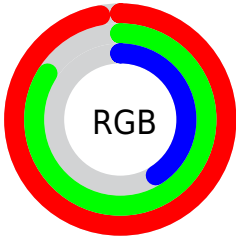
Format	Color
RYB	150, 248, 104
Decimal	16307560
CIELab	86.31, -0.40, 57.44
CIELCh	86, 57.442, 90.396
Yxy	68.6133, 0.4154, 0.4382
Android (android.graphics.Color)	4294497640 (0xFFF8D568)
YUV	211.0390, -52.7702, 32.4148
Hunter-Lab	82.8331, -4.8037, 41.5830

Details

The RYB color **150, 248, 104** is a light color, and the websafe version is hex **FFCC66**, and the color name is **orange-yellow (crayola)**. A complement of this color would be **104, 132, 248**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **158, 255, 158**, and **89, 189, 51** is the 20% darker color. If you saturate the color by 10%, you get **133, 248, 79**, and if you desaturate by 10%, it is **167, 248, 129**.

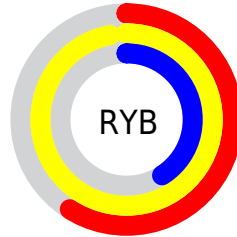
Distribution



Red (97%)

Green (84%)

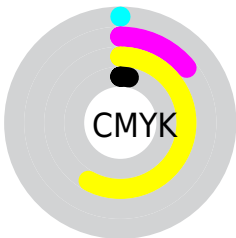
Blue (41%)



Red (59%)

Yellow (97%)

Blue (41%)

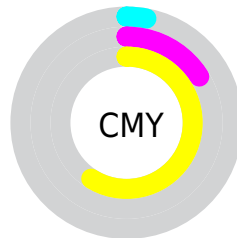


Cyan (0%)

Magenta (14%)

Yellow (58%)

Black (3%)



Cyan (3%)

Magenta (16%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 150, 248, 104 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 150, 248, 104 by changing the saturation by 10% instead.

 150, 248, 104

255, 255, 255

 158, 255, 158

 186, 255, 186

 214, 255, 214

 243, 255, 243

 150, 248, 104

 119, 218, 78

 89, 189, 51

 53, 160, 20

 28, 131, 0

 25, 104, 0

 20, 77, 0

 14, 51, 0

 8, 26, 0

 0, 0, 0

150, 248, 104

150, 248, 104

133, 248, 79

167, 248, 129

116, 248, 54

184, 248, 154

100, 248, 30

200, 248, 178

83, 248, 5

218, 248, 203

79, 248, 0

235, 248, 228

248, 249, 253

248, 252, 255

Harmonies

Analogous

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



235, 255, 122



150, 248, 104



119, 229, 156

Triad

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



150, 248, 104



0, 124, 255



255, 181, 255

Complementary

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



150, 248, 104



104, 132, 248

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.



221, 201, 255



150, 248, 104



0, 123, 255

Square

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



150, 248, 104



0, 130, 244



123, 179, 255



255, 171, 217

Rectangle

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



150, 248, 104



144, 236, 231



123, 179, 255



255, 187, 255

Sweetspot

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



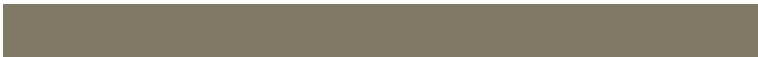
150, 248, 104



225, 255, 212



248, 104, 140



112, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



150, 248, 104



134, 255, 77



104, 248, 140



116, 125, 112



61, 189, 0



20, 61, 0

Inverse Universe

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



104, 132, 248



77, 112, 255



140, 104, 248



112, 114, 125



0, 37, 189



0, 12, 61

Previews

White Background



This preview shows how the RYB color 150, 248, 104 looks on a white background.

Color Contrast Check

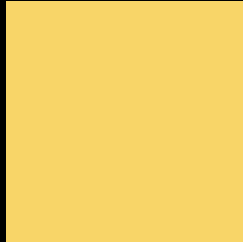
Large Text (above 18pt) WCAG AA × Fail

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 150, 248, 104 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 150, 248, 104 Background



This preview shows how black text looks on a background with the RYB color 150, 248, 104.



This preview shows how white text looks on a background with the RYB color 150, 248, 104.

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
150, 248, 104

Protanopia
133, 239, 105

Deuteranopia
224, 255, 143



Tritanopia
255, 202, 216

Trichromacy



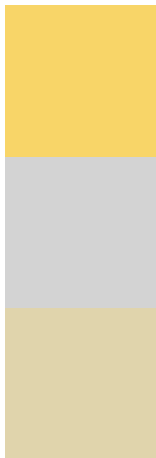
Original Color
150, 248, 104

Protanomaly
139, 242, 105

Deuteranomaly
193, 252, 129

Tritanomaly
252, 227, 175

Monochromacy



Original Color
150, 248, 104

Achromatopsia
211, 211, 211

Achromatomaly
188, 224, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 150, 248, 104 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(248, 213, 104)` looks like.

```
.text, #text, p{  
    color:rgb(248, 213, 104)  
}
```

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(248, 213, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 213, 104) }
```

Border

The CSS property to change the border of an element to RYB 150, 248, 104 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(248, 213, 104) }
```

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

```
.border{ border-color:rgb(248, 213, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 213, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 213, 104); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 213, 104); box-shadow:4px 4px 4px 4px rgb(248, 213, 104) }
```

Background

The CSS property to change the background color of an element to RYB 150, 248, 104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 213, 104) }
```

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

```
.background{ background-color: rgb(248,  
213, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor