

Converting Colors

`RYB(104, 234, 101)`

Have a look what the booklet for
RYB(104, 234, 101) contains.

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Color

R_YB(104, 234, 101)

Conversions

Conversions Part 1

Format	Color
Hex	EAE765
RGB	234, 231, 101
RGB Percent	92%, 91%, 40%
CMY	0.0824, 0.0939, 0.6039
CMYK	0.00, 0.01, 0.57, 0.08
HSL	59°, 76%, 66%
HSV	59°, 57%, 92%
XYZ	64.8751, 75.6209, 23.4889
YIQ	217.0770, 43.5180, -39.7940

Conversions

Conversions Part 2

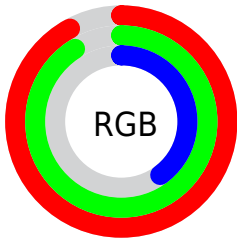
Format	Color
RYB	104, 234, 101
Decimal	15394661
CIELab	89.68, -15.30, 62.26
CIELCh	90, 64.114, 103.803
Yxy	75.6209, 0.3956, 0.4611
Android (android.graphics.Color)	4293584741 (0xFFEAE765)
YUV	217.0770, -57.2260, 14.8415
Hunter-Lab	86.9603, -19.0139, 44.8573

Details

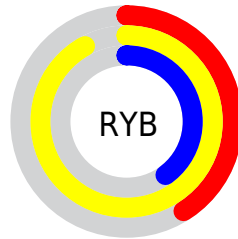
The RYB color **104, 234, 101** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **101, 104, 234**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **156, 255, 156**, and **45, 176, 45** is the 20% darker color. If you saturate the color by 10%, you get **81, 234, 78**, and if you desaturate by 10%, it is **126, 234, 124**.

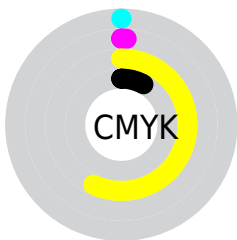
Distribution



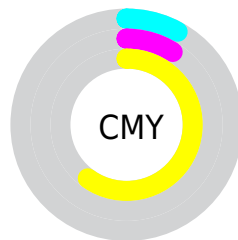
- Red (92%)
- Green (91%)
- Blue (40%)



- Red (41%)
- Yellow (92%)
- Blue (40%)



- Cyan (0%)
- Magenta (1%)
- Yellow (57%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 104, 234, 101 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 104, 234, 101 by changing the saturation by 10% instead.

 104, 234, 101

 104, 234, 101


255, 255, 255

 75, 204, 74


 156, 255, 156

 45, 176, 45

 184, 255, 184

 6, 149, 8

 213, 255, 213


 0, 123, 4

 242, 255, 242

 0, 99, 7

 0, 75, 9

 0, 53, 14

 0, 32, 18

 0, 0, 0

■ 104, 234, 101

■ 104, 234, 101

■ 81, 234, 78

■ 126, 234, 124

■ 58, 234, 54

■ 150, 234, 148

■ 35, 234, 31

■ 172, 234, 171

■ 12, 234, 7

■ 196, 234, 195

■ 5, 234, 0

■ 218, 234, 218

■ 234, 234, 241

■ 234, 235, 255

■ 234, 236, 255

Harmonies

Analogous

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



170, 255, 106



104, 234, 101



134, 246, 214

Triad

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



104, 234, 101



0, 127, 255



255, 178, 255

Complementary

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



104, 234, 101



101, 104, 234

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, 198, 255



104, 234, 101



0, 124, 255

Square

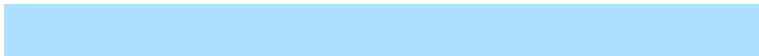
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



104, 234, 101



0, 128, 255



173, 204, 255



255, 174, 199

Rectangle

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



104, 234, 101



106, 208, 252



173, 204, 255



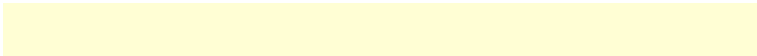
255, 183, 255

Sweetspot

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



104, 234, 101



213, 255, 212



234, 101, 105



103, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



104, 234, 101



86, 255, 82



101, 234, 163



106, 117, 106



4, 181, 0



2, 54, 0

Inverse Universe

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



101, 104, 234



82, 85, 255



163, 101, 234



106, 106, 117



0, 4, 181



0, 1, 54

Previews

White Background



This preview shows how the RYB color 104, 234, 101 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 104, 234, 101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

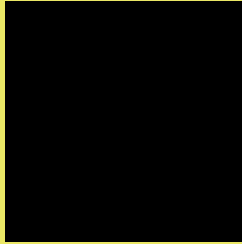
Any Text WCAG AA ✓ Pass

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 104, 234, 101 Background



This preview shows how black text looks on a background with the RYB color 104, 234, 101.

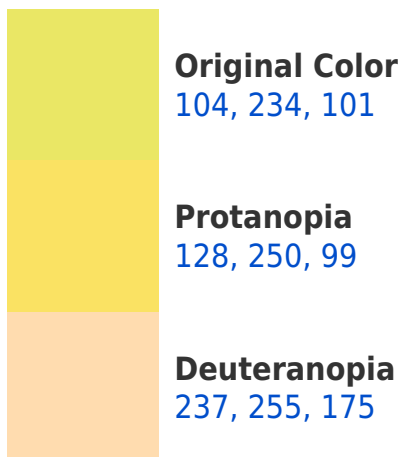


This preview shows how white text looks on a background with the RYB color 104, 234, 101.

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](#).

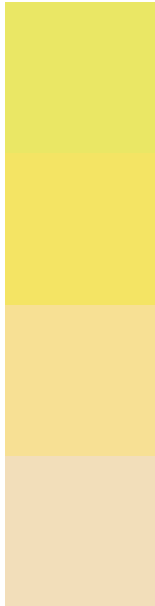
Dichromacy





Tritanopia
247, 217, 234

Trichromacy



Original Color
104, 234, 101

Protanomaly
118, 244, 100

Deuteranomaly
178, 247, 148

Tritanomaly
217, 242, 186

Monochromacy



Original Color
104, 234, 101

Achromatopsia
217, 217, 217

Achromatomaly
176, 223, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 104, 234, 101 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(234, 231, 101)` looks like.

```
.text, #text, p{  
    color:rgb(234, 231, 101)  
}
```

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(234, 231, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 231, 101) }
```

Border

The CSS property to change the border of an element to RYB 104, 234, 101 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(234, 231, 101) }
```

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

```
.border{ border-color:rgb(234, 231, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 231, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 231, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 231, 101);  
box-shadow:4px 4px 4px 4px rgb(234, 231,  
101) }
```

Background

The CSS property to change the background color of an element to RYB 104, 234, 101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 231, 101) }
```

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

```
.background{ background-color: rgb(234,  
231, 101) }
```

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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