

Converting Colors

`RYB(102, 233, 104)`

Have a look what the booklet for
RYB(102, 233, 104) contains.

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Color

R_YB(102, 233, 104)

Conversions

Conversions Part 1

Format	Color
Hex	E7E966
RGB	231, 233, 102
RGB Percent	91%, 91%, 40%
CMY	0.0941, 0.0863, 0.6000
CMYK	0.01, 0.00, 0.56, 0.09
HSL	61°, 75%, 66%
HSV	61°, 56%, 91%
XYZ	64.4922, 76.2261, 23.8844
YIQ	217.4680, 40.8590, -41.1650

Conversions

Conversions Part 2

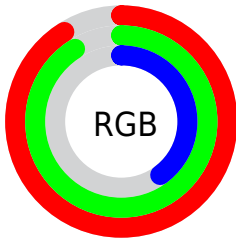
Format	Color
RYB	102, 233, 104
Decimal	15198566
CIELab	89.96, -17.38, 62.08
CIELCh	90, 64.464, 105.638
Yxy	76.2261, 0.3918, 0.4631
Android (android.graphics.Color)	4293388646 (0xFFE7E966)
YUV	217.4680, -56.9257, 11.8676
Hunter-Lab	87.3075, -20.9341, 44.8955

Details

The RYB color **102, 233, 104** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **104, 102, 233**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **157, 255, 157**, and **46, 178, 51** is the 20% darker color. If you saturate the color by 10%, you get **79, 233, 81**, and if you desaturate by 10%, it is **125, 233, 127**.

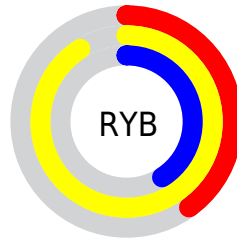
Distribution



Red (91%)

Green (91%)

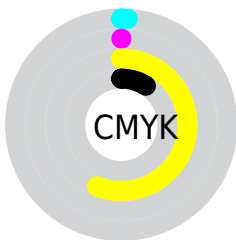
Blue (40%)



Red (40%)

Yellow (91%)

Blue (41%)

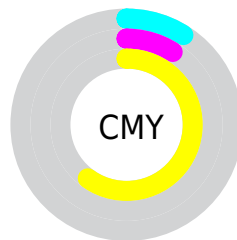


Cyan (1%)

Magenta (0%)

Yellow (56%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 233, 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 102, 233, 104 by changing the saturation by 10% instead.

 102, 233, 104

255, 255, 255

 157, 255, 157

 185, 255, 185


 214, 255, 214


 243, 255, 243

 102, 233, 104

 75, 205, 78

 46, 178, 51


 8, 151, 15

 0, 125, 8

 0, 100, 10

 0, 76, 13

 0, 54, 17

 0, 33, 23

 0, 0, 0

■ 102, 233, 104

■ 102, 233, 104

■ 79, 233, 81

■ 125, 233, 127

■ 55, 233, 58

■ 149, 233, 150

■ 32, 233, 35

■ 172, 233, 173

■ 9, 233, 12

■ 195, 233, 196

■ 0, 233, 4

■ 219, 233, 219

■ 233, 233, 242

■ 233, 233, 255

■ 234, 233, 255

Harmonies

Analogous

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



164, 255, 104



102, 233, 104



137, 247, 223

Triad

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



102, 233, 104



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.



102, 233, 104



104, 102, 233

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, 197, 255



102, 233, 104



0, 124, 255

Square

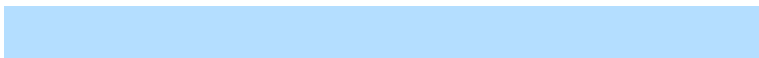
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



102, 233, 104



0, 128, 255



180, 207, 255



255, 175, 196

Rectangle

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



102, 233, 104



99, 204, 254



180, 207, 255



255, 183, 255

Sweetspot

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



102, 233, 104



212, 255, 213



233, 102, 102



102, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



102, 233, 104



84, 255, 87



102, 233, 167



106, 117, 106



0, 181, 3



0, 54, 1

Inverse Universe

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



104, 102, 233



87, 84, 255



168, 102, 233



106, 106, 117



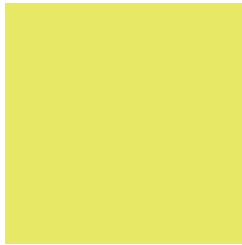
3, 0, 181



1, 0, 54

Previews

White Background



This preview shows how the RYB color 102, 233, 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 102, 233, 104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

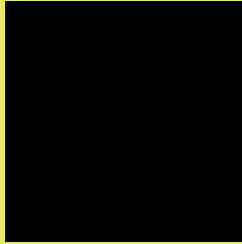
Any Text WCAG AA ✓ Pass

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 102, 233, 104 Background



This preview shows how black text looks on a background with the RYB color 102, 233, 104.

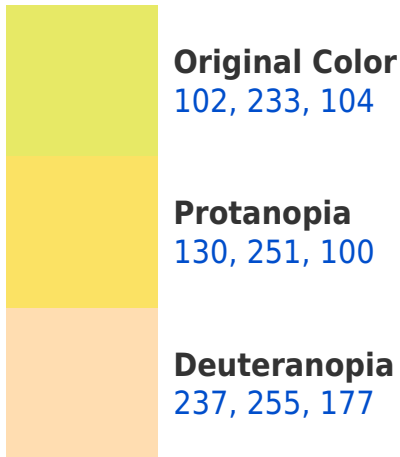



This preview shows how white text looks on a background with the RYB color 102, 233, 104.

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

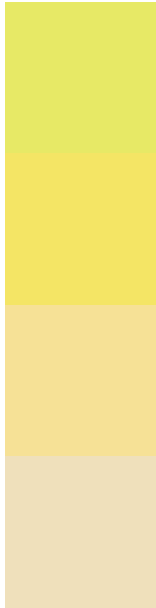




Tritanopia

244, 219, 236

Trichromacy



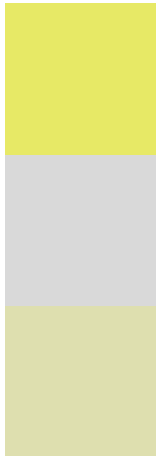
Original Color
102, 233, 104

Protanomaly
118, 244, 101

Deuteranomaly
177, 246, 150

Tritanomaly
208, 239, 187

Monochromacy



Original Color
102, 233, 104

Achromatopsia
217, 217, 217

Achromatomaly
175, 223, 176

CSS Examples

Text

The CSS property to change the color of the text to RGB 102, 233, 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(231, 233, 102)` looks like.

```
.text, #text, p{  
    color:rgb(231, 233, 102)  
}
```

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(231, 233, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 233, 102) }
```

Border

The CSS property to change the border of an element to RYB 102, 233, 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(231, 233, 102) }
```

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

```
.border{ border-color:rgb(231, 233, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 233, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 233, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 233, 102);  
box-shadow:4px 4px 4px 4px rgb(231, 233,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 102, 233, 104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 233, 102) }
```

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

```
.background{ background-color: rgb(231,  
233, 102) }
```

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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