

Converting Colors

`RYB(255, 235, 110)`

Have a look what the booklet for
RYB(255, 235, 110) contains.

RYB(255, 235, 110)	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

`RYB(255, 235, 110)`

Conversions

Conversions Part 1

Format	Color
Hex	FFB16E
RGB	255, 177, 110
RGB Percent	100%, 69%, 43%
CMY	0.0000, 0.3054, 0.5686
CMYK	0.00, 0.31, 0.57, 0.00
HSL	28°, 100%, 72%
HSV	28°, 57%, 100%
XYZ	59.8022, 53.8813, 22.0001
YIQ	192.6840, 67.9950, -4.3010

Conversions

Conversions Part 2

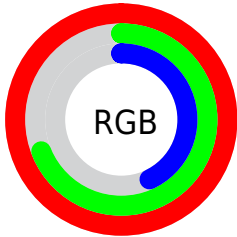
Format	Color
R_{YB}	255, 235, 110
Decimal	16757102
CIE _{Lab}	78.39, 21.58, 45.39
CIE _{LCh}	78, 50.256, 64.568
Yxy	53.8813, 0.4407, 0.3971
Android (android.graphics.Color)	4294947182 (0xFFFFB16E)
YUV	192.6840, -40.7632, 54.6511
Hunter-Lab	73.4039, 16.9674, 33.6128

Details

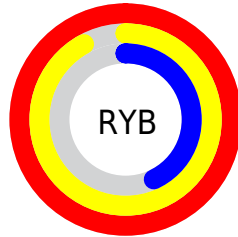
The RYB color **255, 235, 110** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **110, 161, 255**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **192, 255, 163**, and **195, 182, 60** is the 20% darker color. If you saturate the color by 10%, you get **255, 229, 85**, and if you desaturate by 10%, it is **255, 238, 136**.

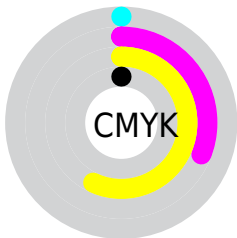
Distribution



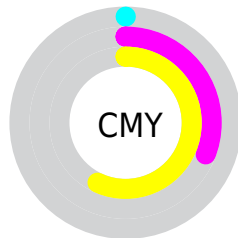
- Red (100%)
- Green (69%)
- Blue (43%)



- Red (100%)
- Yellow (92%)
- Blue (43%)



- Cyan (0%)
- Magenta (31%)
- Yellow (57%)
- Black (0%)



- Cyan (0%)
- Magenta (31%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the RYB color 255, 235, 110 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 255, 235, 110 by changing the saturation by 10% instead.

 255, 235, 110

 255, 235, 110

255, 255, 255

 225, 206, 85

 192, 255, 163

 195, 182, 60

 190, 255, 190

 165, 161, 35

 219, 255, 219

 125, 136, 8

 247, 255, 247

 108, 100, 0

 80, 48, 0

 53, 9, 0

 28, 0, 1

 0, 0, 0

■ 255, 235, 110

■ 255, 235, 110

■ 255, 229, 85

■ 255, 238, 136

■ 255, 229, 59

■ 255, 244, 161

■ 255, 225, 33

■ 255, 244, 187

■ 255, 220, 8

■ 255, 249, 212

■ 255, 220, 0

■ 255, 253, 238

255, 255, 255

Harmonies

Analogous

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



255, 166, 143



255, 235, 110



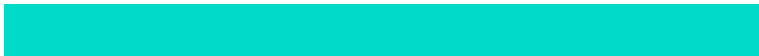
125, 216, 98

Triad

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



255, 235, 110



0, 114, 218



208, 179, 255

Complementary

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



255, 235, 110



110, 161, 255

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.



131, 174, 255



255, 235, 110



0, 115, 245

Square

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



255, 235, 110



106, 183, 215



0, 115, 255



255, 163, 235

Rectangle

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



255, 235, 110



106, 203, 125



0, 115, 255



185, 185, 255

Sweetspot

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



255, 235, 110



255, 249, 212



255, 110, 190



128, 124, 102



0, 0, 0



128, 128, 128

Same Dimension

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



255, 235, 110



255, 231, 82



117, 255, 110



128, 126, 115



191, 167, 0



64, 56, 0

Inverse Universe

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



110, 161, 255



82, 142, 255



110, 117, 255



115, 120, 128



0, 67, 191



0, 22, 64

Previews

White Background



This preview shows how the RYB color 255, 235, 110 looks on a white background.

Color Contrast Check

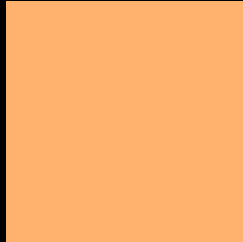
Large Text (above 18pt) WCAG AA × Fail

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 255, 235, 110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

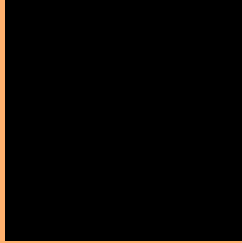
Any Text WCAG AA ✓ Pass

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 255, 235, 110 Background



This preview shows how black text looks on a background with the RYB color 255, 235, 110.

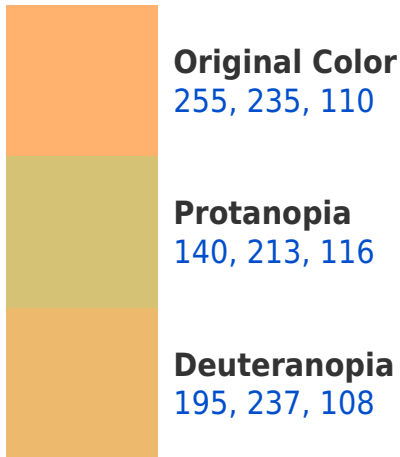



This preview shows how white text looks on a background with the RYB color 255, 235, 110.

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
255, 171, 182

Trichromacy



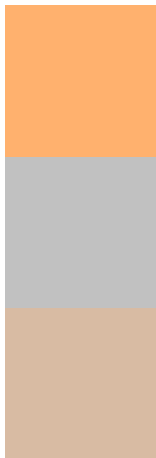
Original Color
255, 235, 110

Protanomaly
176, 228, 114

Deuteranomaly
224, 244, 109

Tritanomaly
255, 177, 156

Monochromacy



Original Color
255, 235, 110

Achromatopsia
193, 193, 193

Achromatomaly
216, 207, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 235, 110 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(255, 177, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 110)  
}
```

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(255, 177, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 110) }
```

Border

The CSS property to change the border of an element to RYB 255, 235, 110 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(255, 177, 110) }
```

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

```
.border{ border-color:rgb(255, 177, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 177, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
110) }
```

Background

The CSS property to change the background color of an element to RYB 255, 235, 110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 110) }
```

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

```
.background{ background-color: rgb(255,  
177, 110) }
```

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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