

Converting Colors

`RYB(231, 140, 110)`

Have a look what the booklet for
RYB(231, 140, 110) contains.

RYB(231, 140, 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

$\text{RYB}(231, 140, 110)$

Conversions

Conversions Part 1

Format	Color
Hex	E7866E
RGB	231, 134, 110
RGB Percent	91%, 53%, 43%
CMY	0.0941, 0.4744, 0.5686
CMYK	0.00, 0.42, 0.52, 0.09
HSL	12°, 72%, 67%
HSV	12°, 52%, 91%
XYZ	44.3001, 35.1759, 19.2066
YIQ	160.2670, 65.5160, 13.1000

Conversions

Conversions Part 2

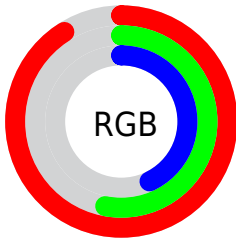
Format	Color
R _Y B	231, 140, 110
Decimal	15173230
CIE Lab	65.89, 34.71, 29.02
CIE LCh	66, 45.243, 39.892
Yxy	35.1759, 0.4489, 0.3565
Android (android.graphics.Color)	4293363310 (0xFFE7866E)
YUV	160.2670, -24.7816, 62.0328
Hunter-Lab	59.3093, 29.5363, 22.3161

Details

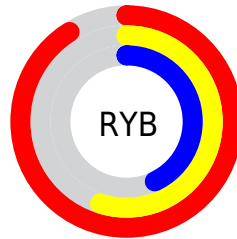
The RYB color **231, 140, 110** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **110, 164, 231**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **255, 198, 162**, and **171, 88, 62** is the 20% darker color. If you saturate the color by 10%, you get **231, 123, 87**, and if you desaturate by 10%, it is **231, 158, 133**.

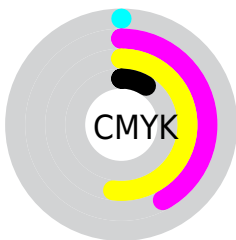
Distribution



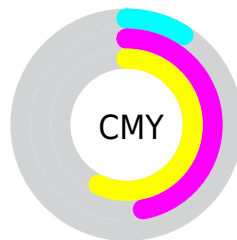
- Red (91%)
- Green (53%)
- Blue (43%)



- Red (91%)
- Yellow (55%)
- Blue (43%)



- Cyan (0%)
- Magenta (42%)
- Yellow (52%)
- Black (9%)





- Cyan (9%)
- Magenta (47%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the RYB color 231, 140, 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 231, 140, 110 by changing the saturation by 10% instead.


 231, 140, 110

 231, 140, 110

255, 255, 255

 201, 114, 85

 255, 198, 162

 171, 88, 62

 255, 235, 189

 142, 62, 40

 231, 255, 217

 114, 36, 18


 245, 255, 245


 86, 5, 0


 58, 0, 0


 31, 0, 1


 0, 0, 0


 231, 140, 110


 231, 140, 110


 231, 123, 87


 231, 158, 133

 231, 105, 64


 231, 175, 156

 231, 89, 41

 231, 193, 179


 231, 70, 18

 231, 210, 202

 231, 57, 0

 231, 227, 226

 231, 239, 249

 231, 243, 255

Harmonies

Analogous

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



237, 127, 148



231, 140, 110



197, 207, 84

Triad

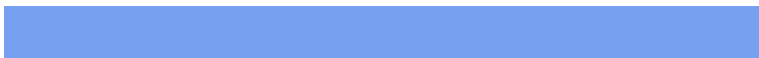
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



231, 140, 110



71, 140, 179



118, 149, 240

Complementary

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



231, 140, 110



110, 164, 231

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.



0, 99, 236



231, 140, 110



0, 93, 181

Square

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



231, 140, 110



96, 173, 141



0, 97, 211



181, 144, 223

Rectangle

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



231, 140, 110



113, 185, 77



0, 97, 211



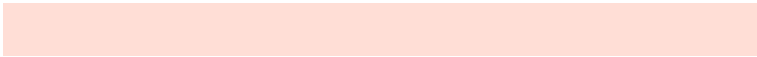
90, 140, 241

Sweetspot

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



231, 140, 110



255, 224, 214



231, 110, 209



128, 109, 103



0, 0, 0



128, 128, 128

Same Dimension

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



231, 140, 110



255, 134, 94



165, 231, 110



115, 107, 103



179, 44, 0



51, 12, 0

Inverse Universe

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



110, 164, 231



94, 166, 255



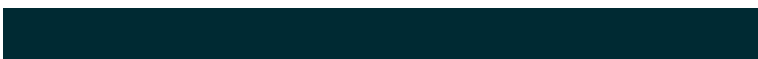
110, 139, 231



103, 108, 115



0, 79, 179



0, 23, 51

Previews

White Background



This preview shows how the RYB color 231, 140, 110 looks on a white background.

Color Contrast Check

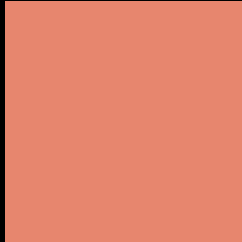
Large Text (above 18pt) WCAG AA × Fail

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 231, 140, 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 231, 140, 110 Background



This preview shows how black text looks on a background with the RYB color 231, 140, 110.

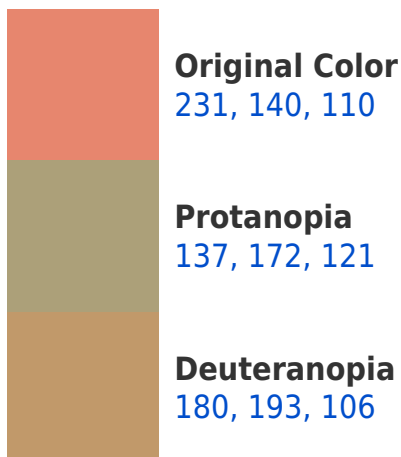



This preview shows how white text looks on a background with the RYB color 231, 140, 110.

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
233, 130, 139

Trichromacy



Original Color
231, 140, 110

Protanomaly
193, 179, 117

Deuteranomaly
207, 171, 107

Tritanomaly
232, 131, 128

Monochromacy



Original Color
231, 140, 110

Achromatopsia
160, 160, 160

Achromatomaly
186, 153, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 140, 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(231, 134, 110)` looks like.

```
.text, #text, p{  
    color:rgb(231, 134, 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(231, 134, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 134, 110) }
```

Border

The CSS property to change the border of an element to RYB 231, 140, 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(231, 134, 110) }
```

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

```
.border{ border-color:rgb(231, 134, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 134, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 134, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 134, 110);  
box-shadow:4px 4px 4px 4px rgb(231, 134,  
110) }
```

Background

The CSS property to change the background color of an element to RGB 231, 134, 110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 134, 110) }
```

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

```
.background{ background-color: rgb(231,  
134, 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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