

Converting Colors

`RYB(216, 231, 115)`

Have a look what the booklet for
RYB(216, 231, 115) contains.

RYB(216, 231, 115)	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(216, 231, 115)

Conversions

Conversions Part 1

Format	Color
Hex	E7B173
RGB	231, 177, 115
RGB Percent	91%, 69%, 45%
CMY	0.0941, 0.3058, 0.5490
CMYK	0.00, 0.23, 0.50, 0.09
HSL	32°, 71%, 68%
HSV	32°, 50%, 91%
XYZ	51.7735, 49.6747, 23.0791
YIQ	186.0780, 52.0860, -7.8340

Conversions

Conversions Part 2

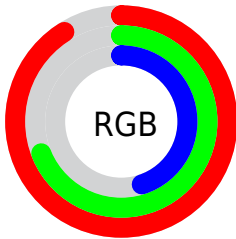
Format	Color
R_{YB}	216, 231, 115
Decimal	15184243
CIE Lab	75.87, 12.36, 39.15
CIE LCh	76, 41.051, 72.482
Yxy	49.6747, 0.4158, 0.3989
Android (android.graphics.Color)	4293374323 (0xFFE7B173)
YUV	186.0780, -35.0415, 39.3966
Hunter-Lab	70.4802, 7.7823, 29.9214

Details

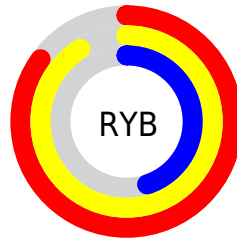
The RYB color **216, 231, 115** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **115, 152, 231**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **197, 255, 168**, and **155, 173, 65** is the 20% darker color. If you saturate the color by 10%, you get **214, 231, 92**, and if you desaturate by 10%, it is **218, 231, 138**.

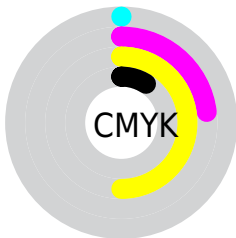
Distribution



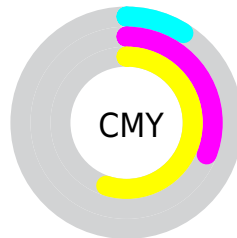
- Red (91%)
- Green (69%)
- Blue (45%)



- Red (85%)
- Yellow (91%)
- Blue (45%)



- Cyan (0%)
- Magenta (23%)
- Yellow (50%)
- Black (9%)



- Cyan (9%)
- Magenta (31%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 231, 115 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 216, 231, 115 by changing the saturation by 10% instead.

 216, 231, 115

255, 255, 255

 197, 255, 168

 195, 255, 195

 224, 255, 224

 252, 255, 252

 216, 231, 115

 187, 202, 90

 155, 173, 65

 120, 145, 41

 86, 117, 17

 63, 90, 0

 64, 64, 0

 39, 15, 0

 0, 0, 0

 216, 231, 115

 216, 231, 115

214, 231, 92

218, 231, 138

209, 231, 69

220, 231, 161

207, 231, 46

225, 231, 184

205, 231, 23

227, 231, 207

203, 231, 0

231, 231, 231

231, 238, 254

231, 242, 255

231, 243, 255

Harmonies

Analogous

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



254, 173, 138



216, 231, 115



118, 196, 112

Triad

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



216, 231, 115



48, 129, 207



212, 171, 243

Complementary

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



216, 231, 115



115, 152, 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.



158, 179, 255



216, 231, 115



13, 116, 237

Square

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



216, 231, 115



106, 170, 206



91, 155, 255



247, 160, 211

Rectangle

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



216, 231, 115



122, 197, 150



91, 155, 255



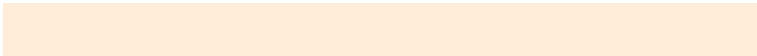
195, 176, 251

Sweetspot

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



216, 231, 115



251, 255, 217



231, 115, 169



126, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



216, 231, 115



234, 255, 102



115, 231, 119



115, 115, 103



158, 179, 0



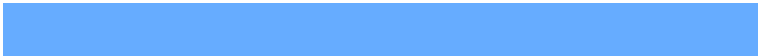
45, 51, 0

Inverse Universe

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



115, 152, 231



102, 150, 255



119, 115, 231



103, 107, 115



0, 57, 179



0, 16, 51

Previews

White Background



This preview shows how the RYB color 216, 231, 115 looks on a white background.

Color Contrast Check

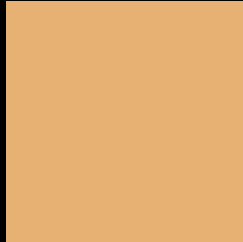
Large Text (above 18pt) WCAG AA × Fail

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 216, 231, 115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

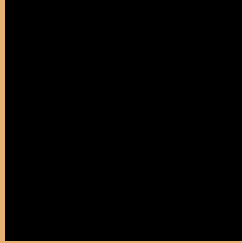
Any Text WCAG AA ✓ Pass

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 216, 231, 115 Background



This preview shows how black text looks on a background with the RYB color 216, 231, 115.



This preview shows how white text looks on a background with the RYB color 216, 231, 115.

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
216, 231, 115

Protanopia
140, 204, 119

Deuteranopia
199, 227, 115



Tritanopia
237, 169, 182

Trichromacy



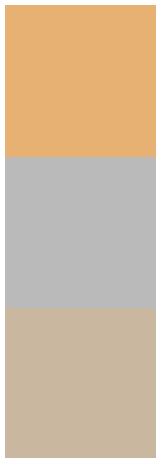
Original Color
216, 231, 115

Protanomaly
164, 214, 118

Deuteranomaly
205, 228, 115

Tritanomaly
235, 175, 158

Monochromacy



Original Color
216, 231, 115

Achromatopsia
186, 186, 186

Achromatomaly
195, 202, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 231, 115 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, 177, 115)` looks like.

```
.text, #text, p{  
    color:rgb(231, 177, 115)  
}
```

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, 177, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 177, 115) }
```

Border

The CSS property to change the border of an element to RYB 216, 231, 115 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, 177, 115) }
```

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

```
.border{ border-color:rgb(231, 177, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 177, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 177, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 177, 115);  
box-shadow:4px 4px 4px 4px rgb(231, 177,  
115) }
```

Background

The CSS property to change the background color of an element to RGB 216, 231, 115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 177, 115) }
```

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

```
.background{ background-color: rgb(231,  
177, 115) }
```

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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