

Converting Colors

`RYB(166, 226, 115)`

Have a look what the booklet for
RYB(166, 226, 115) contains.

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Color

R_YB(166, 226, 115)

Conversions

Conversions Part 1

Format	Color
Hex	E2BF73
RGB	226, 191, 115
RGB Percent	89%, 75%, 45%
CMY	0.1137, 0.2508, 0.5490
CMYK	0.00, 0.15, 0.49, 0.11
HSL	41°, 66%, 67%
HSV	41°, 49%, 89%
XYZ	53.1015, 54.6924, 23.9776
YIQ	192.8010, 45.2560, -16.2160

Conversions

Conversions Part 2

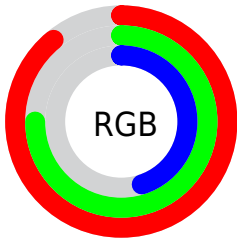
Format	Color
RYB	166, 226, 115
Decimal	14860147
CIELab	78.86, 2.91, 42.78
CIELCh	79, 42.882, 86.108
Yxy	54.6924, 0.4030, 0.4151
Android (android.graphics.Color)	4293050227 (0xFFE2BF73)
YUV	192.8010, -38.3559, 29.1155
Hunter-Lab	73.9543, -1.2516, 32.5449

Details

The RYB color **166, 226, 115** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **115, 142, 226**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **177, 255, 168**, and **107, 168, 65** is the 20% darker color. If you saturate the color by 10%, you get **153, 226, 92**, and if you desaturate by 10%, it is **179, 226, 138**.

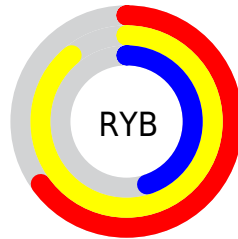
Distribution



Red (89%)

Green (75%)

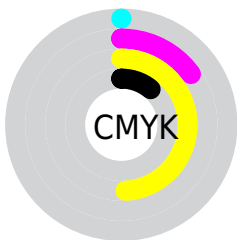
Blue (45%)



Red (65%)

Yellow (89%)

Blue (45%)

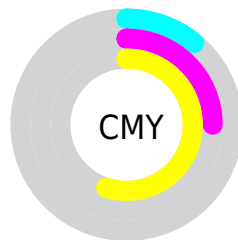


Cyan (0%)

Magenta (15%)

Yellow (49%)

Black (11%)



Cyan (11%)

Magenta (25%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 226, 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 166, 226, 115 by changing the saturation by 10% instead.

 166, 226, 115

255, 255, 255

 177, 255, 168

 196, 255, 196

 224, 255, 224


253, 255, 253

 166, 226, 115

 137, 197, 89

 107, 168, 65

 79, 141, 40

 47, 113, 14

 29, 87, 0

 26, 61, 0

 20, 36, 0

 0, 0, 0

 166, 226, 115

 166, 226, 115

153, 226, 92

179, 226, 138

141, 226, 70

191, 226, 160

128, 226, 47

204, 226, 183

117, 226, 25

213, 226, 205

106, 226, 2

226, 227, 228

104, 226, 0

226, 232, 251

226, 236, 255

226, 239, 255

226, 241, 255

Harmonies

Analogous

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



255, 205, 130



166, 226, 115



122, 203, 139

Triad

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



166, 226, 115



0, 111, 229



241, 173, 240

Complementary

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



166, 226, 115



115, 142, 226

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.



192, 187, 255



166, 226, 115



48, 139, 255

Square

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



166, 226, 115



83, 157, 216



127, 174, 255



255, 164, 202

Rectangle

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



166, 226, 115



138, 210, 193



127, 174, 255



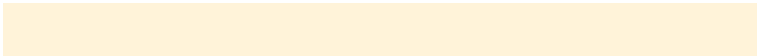
227, 177, 251

Sweetspot

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



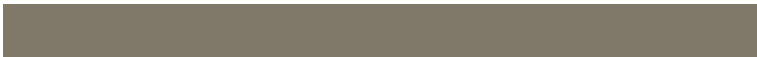
166, 226, 115



235, 255, 217



226, 115, 150



117, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



166, 226, 115



173, 255, 105



115, 226, 135



105, 112, 101



80, 176, 0



22, 48, 0

Inverse Universe

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



115, 142, 226



105, 141, 255



135, 115, 226



101, 104, 112



0, 42, 176



0, 11, 48

Previews

White Background



This preview shows how the RYB color 166, 226, 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 166, 226, 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 166, 226, 115 Background



This preview shows how black text looks on a background with the RYB color 166, 226, 115.

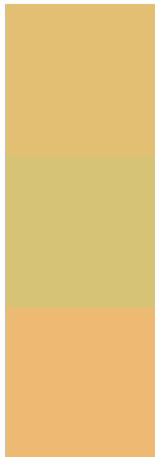


This preview shows how white text looks on a background with the RYB color 166, 226, 115.

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
166, 226, 115

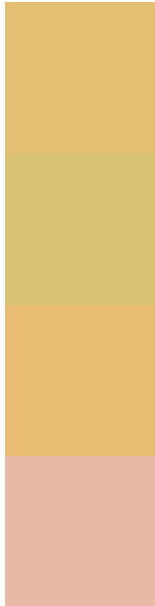
Protanopia
141, 214, 117

Deuteranopia
204, 237, 116



Tritanopia
234, 181, 195

Trichromacy



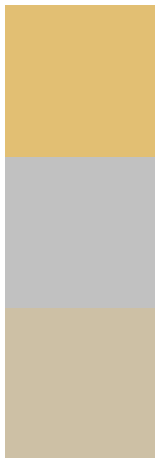
Original Color
166, 226, 115

Protanomaly
147, 218, 116

Deuteranomaly
189, 233, 116

Tritanomaly
231, 193, 166

Monochromacy



Original Color
166, 226, 115

Achromatopsia
193, 193, 193

Achromatomaly
184, 205, 165

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 226, 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(226, 191, 115)` looks like.

```
.text, #text, p{  
    color:rgb(226, 191, 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(226, 191, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 191, 115) }
```

Border

The CSS property to change the border of an element to RYB 166, 226, 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(226, 191, 115) }
```

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

```
.border{ border-color:rgb(226, 191, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 191, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 191, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 191, 115);  
box-shadow:4px 4px 4px 4px rgb(226, 191,  
115) }
```

Background

The CSS property to change the background color of an element to RYB 166, 226, 115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 191, 115) }
```

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

```
.background{ background-color: rgb(226,  
191, 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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