

Converting Colors

`RYB(186, 228, 129)`

Have a look what the booklet for
RYB(186, 228, 129) contains.

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Color

R_YB(186, 228, 129)

Conversions

Conversions Part 1

Format	Color
Hex	E4C081
RGB	228, 192, 129
RGB Percent	89%, 75%, 51%
CMY	0.1059, 0.2477, 0.4941
CMYK	0.00, 0.16, 0.43, 0.11
HSL	38°, 65%, 70%
HSV	38°, 43%, 89%
XYZ	54.7690, 55.7023, 28.6339
YIQ	195.5820, 41.6790, -11.9610

Conversions

Conversions Part 2

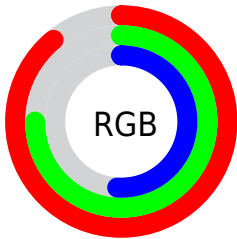
Format	Color
RYB	186, 228, 129
Decimal	14991489
CIELab	79.44, 4.68, 36.42
CIELCh	79, 36.722, 82.685
Yxy	55.7023, 0.3937, 0.4004
Android (android.graphics.Color)	4293181569 (0xFFE4C081)
YUV	195.5820, -32.8249, 28.4306
Hunter-Lab	74.6340, 0.3801, 29.4967

Details

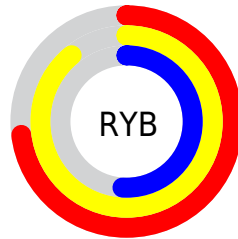
The RYB color **186, 228, 129** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **129, 155, 228**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **191, 255, 183**, and **128, 171, 79** is the 20% darker color. If you saturate the color by 10%, you get **177, 228, 106**, and if you desaturate by 10%, it is **196, 228, 152**.

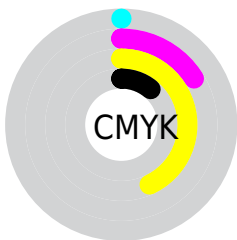
Distribution



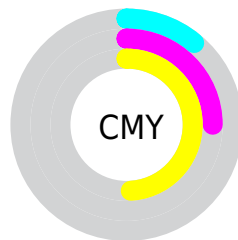
- Red (89%)
- Green (75%)
- Blue (51%)



- Red (73%)
- Yellow (89%)
- Blue (51%)



- Cyan (0%)
- Magenta (16%)
- Yellow (43%)
- Black (11%)



- Cyan (11%)
- Magenta (25%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the RYB color 186, 228, 129 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 186, 228, 129 by changing the saturation by 10% instead.


 186, 228, 129

 186, 228, 129

255, 255, 255

 156, 199, 103


 191, 255, 183

 128, 171, 79

 210, 255, 210

 99, 143, 54

 239, 255, 239

 71, 116, 31

 40, 90, 6

 31, 65, 0

 27, 39, 0

 6, 0, 0

 0, 0, 0

 186, 228, 129

 186, 228, 129

 177, 228, 106


 196, 228, 152

 167, 228, 83


 207, 228, 175

 157, 228, 61

 214, 228, 197

 146, 228, 38

 225, 228, 220

 138, 228, 15

 228, 232, 243

 131, 228, 0

 228, 237, 255

 228, 240, 255

 228, 242, 255

Harmonies

Analogous

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



253, 198, 144



186, 228, 129



133, 203, 142

Triad

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



186, 228, 129



81, 150, 222



232, 179, 239

Complementary

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



186, 228, 129



129, 155, 228

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.



190, 191, 255



186, 228, 129



90, 159, 250

Square

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



186, 228, 129



113, 172, 215



137, 179, 255



255, 172, 207

Rectangle

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



186, 228, 129



146, 209, 187



137, 179, 255



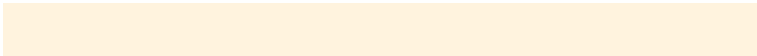
220, 183, 247

Sweetspot

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



186, 228, 129



241, 255, 222



228, 129, 165



120, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



186, 228, 129



197, 255, 122



129, 228, 142



109, 115, 103



105, 179, 0



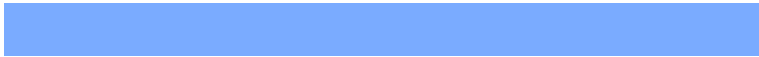
30, 51, 0

Inverse Universe

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



129, 155, 228



122, 158, 255



142, 129, 228



103, 106, 115



0, 48, 179



0, 14, 51

Previews

White Background



This preview shows how the RYB color 186, 228, 129 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 186, 228, 129 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 186, 228, 129 Background



This preview shows how black text looks on a background with the RYB color 186, 228, 129.



This preview shows how white text looks on a background with the RYB color 186, 228, 129.

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
186, 228, 129

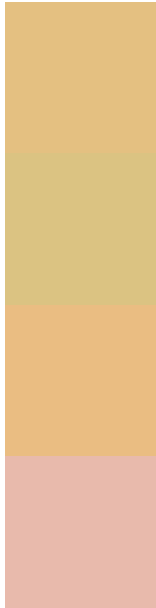
Protanopia
152, 214, 131

Deuteranopia
220, 237, 130



Tritanopia
235, 183, 197

Trichromacy



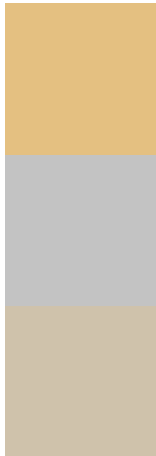
Original Color
186, 228, 129

Protanomaly
163, 219, 130

Deuteranomaly
209, 234, 130

Tritanomaly
232, 190, 172

Monochromacy



Original Color
186, 228, 129

Achromatopsia
195, 195, 195

Achromatomaly
191, 207, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 186, 228, 129 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(228, 192, 129)` looks like.

```
.text, #text, p{  
    color:rgb(228, 192, 129)  
}
```

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(228, 192, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 192, 129) }
```

Border

The CSS property to change the border of an element to RYB 186, 228, 129 is called "border". The border property can be set on classes, ids or directly on the HTML element.

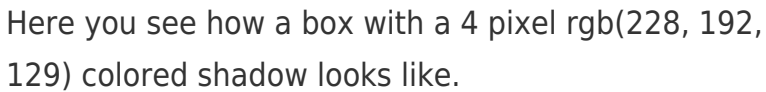
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 192, 129) }
```

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

```
.border{ border-color:rgb(228, 192, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 192, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 192, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 192, 129); box-shadow:4px 4px 4px 4px rgb(228, 192, 129) }
```

Background

The CSS property to change the background color of an element to RYB 186, 228, 129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 192, 129) }
```

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

```
.background{ background-color: rgb(228,  
192, 129) }
```

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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