

# Converting Colors

`RYB(226, 186, 131)`

Have a look what the booklet for  
RYB(226, 186, 131) contains.

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# **Color**

**R<sub>Y</sub>B(226, 186, 131)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2A683
RGB	226, 166, 131
RGB Percent	89%, 65%, 51%
CMY	0.1137, 0.3497, 0.4863
CMYK	0.00, 0.27, 0.42, 0.11
HSL	22°, 62%, 70%
HSV	22°, 42%, 89%
XYZ	49.0667, 45.0193, 27.5762
YIQ	179.9500, 46.9950, 1.8350

# Conversions

## Conversions Part 2

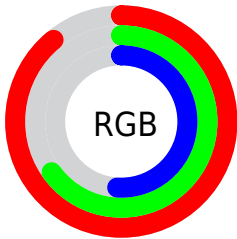
Format	Color
RYB	226, 186, 131
Decimal	14853763
CIELab	72.90, 17.89, 26.75
CIELCh	73, 32.178, 56.221
Yxy	45.0193, 0.4033, 0.3700
Android (android.graphics.Color)	4293043843 (0xFFE2A683)
YUV	179.9500, -24.1323, 40.3859
Hunter-Lab	67.0964, 13.1158, 22.5997

# Details

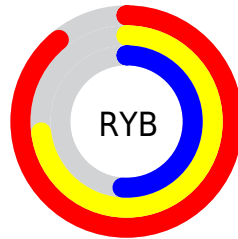
The RYB color **226, 186, 131** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **131, 168, 226**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **249, 255, 184**, and **169, 134, 81** is the 20% darker color. If you saturate the color by 10%, you get **226, 178, 108**, and if you desaturate by 10%, it is **226, 195, 154**.

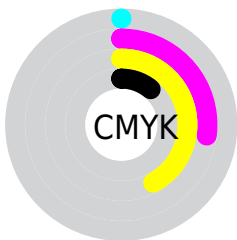
# Distribution



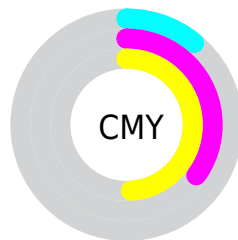
- Red (89%)
- Green (65%)
- Blue (51%)



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



- Cyan (0%)
- Magenta (27%)
- Yellow (42%)
- Black (11%)



- Cyan (11%)
- Magenta (35%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the RYB color 226, 186, 131 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 226, 186, 131 by changing the saturation by 10% instead.



 226, 186, 131

 226, 186, 131


255, 255, 255

 197, 158, 106

 249, 255, 184

 169, 134, 81

 218, 255, 212

 141, 107, 58

 240, 255, 240

 113, 83, 36

 87, 62, 14

 62, 32, 0

 38, 0, 0


 0, 0, 0

 226, 186, 131


 226, 186, 131

 226, 178, 108


 226, 195, 154

 226, 166, 86


 226, 204, 176

 226, 158, 63

 226, 215, 199

 226, 149, 41

 226, 224, 221

 226, 138, 18

 226, 233, 244

 226, 131, 0

 226, 240, 255

 226, 241, 255

# Harmonies

## Analogous

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



237, 158, 154



226, 186, 131



160, 203, 120

# Triad

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



226, 186, 131



105, 156, 195



178, 173, 232

# Complementary

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



226, 186, 131



131, 168, 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.



134, 167, 237



226, 186, 131



82, 141, 204

# Square

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



226, 186, 131



138, 186, 192



95, 151, 227



213, 163, 212

# Rectangle

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



226, 186, 131



123, 183, 122



95, 151, 227



164, 174, 235



# Sweetspot

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



226, 186, 131



255, 241, 222



226, 131, 191



128, 120, 107



0, 0, 0



128, 128, 128



# Same Dimension

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



226, 186, 131



255, 200, 128



147, 226, 131



112, 107, 101



176, 103, 0



48, 29, 0

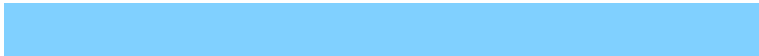


# Inverse Universe

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



131, 168, 226



128, 177, 255



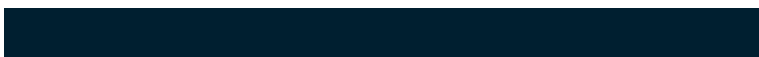
131, 142, 226



101, 105, 112



0, 68, 176



0, 19, 48



# Previews

## White Background



This preview shows how the RYB color 226, 186, 131 looks on a white background.

## Color Contrast Check

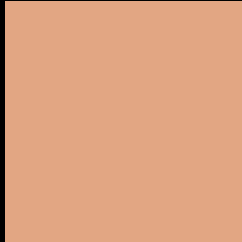
Large Text (above 18pt) WCAG AA × Fail

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 226, 186, 131 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

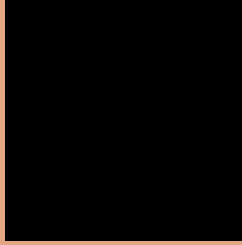
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 226, 186, 131 Background**



This preview shows how black text looks on a background with the RYB color 226, 186, 131.

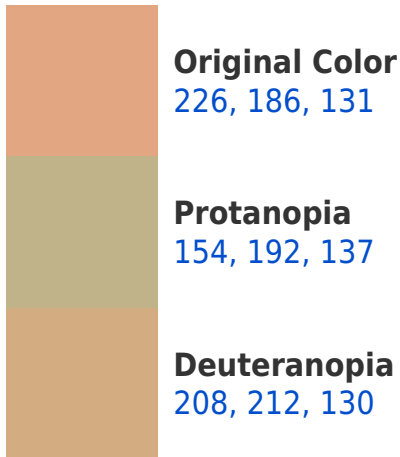



This preview shows how white text looks on a background with the RYB color 226, 186, 131.

# 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**  
230, 160, 172

# Trichromacy



**Original Color**  
226, 186, 131

**Protanomaly**  
188, 204, 135

**Deuteranomaly**  
217, 204, 130

**Tritanomaly**  
229, 162, 157

# Monochromacy



**Original Color**  
226, 186, 131

**Achromatopsia**  
180, 180, 180

**Achromatomaly**  
197, 183, 162

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 226, 186, 131 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, 166, 131)` looks like.

```
.text, #text, p{  
    color:rgb(226, 166, 131)  
}
```

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, 166, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 166, 131) }
```

## Border

The CSS property to change the border of an element to RYB 226, 186, 131 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, 166, 131) }
```

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

```
.border{ border-color:rgb(226, 166, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 166, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 166, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 166, 131);  
box-shadow:4px 4px 4px 4px rgb(226, 166,  
131) }
```

# Background

The CSS property to change the background color of an element to RYB 226, 186, 131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 166, 131) }
```

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

```
.background{ background-color: rgb(226,  
166, 131) }
```

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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