

Converting Colors

`RYB(133, 206, 86)`

Have a look what the booklet for
RYB(133, 206, 86) contains.

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Color

R_YB(133, 206, 86)

Conversions

Conversions Part 1

Format	Color
Hex	CEAC56
RGB	206, 172, 86
RGB Percent	81%, 67%, 34%
CMY	0.1922, 0.3246, 0.6627
CMYK	0.00, 0.16, 0.58, 0.19
HSL	43°, 55%, 57%
HSV	43°, 58%, 81%
XYZ	41.9292, 43.3854, 14.9684
YIQ	172.3620, 47.8700, -19.5380

Conversions

Conversions Part 2

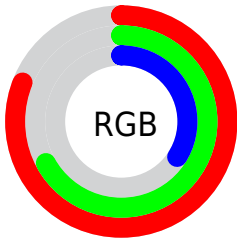
Format	Color
RYB	133, 206, 86
Decimal	13544534
CIELab	71.82, 2.11, 48.19
CIELCh	72, 48.231, 87.496
Yxy	43.3854, 0.4181, 0.4326
Android (android.graphics.Color)	4291734614 (0xFFCEAC56)
YUV	172.3620, -42.5765, 29.5005
Hunter-Lab	65.8676, -1.6411, 32.6337

Details

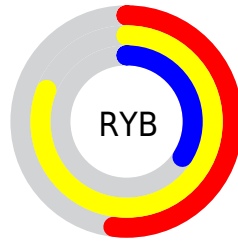
The RYB color **133, 206, 86** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **86, 112, 206**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **175, 255, 138**, and **74, 149, 35** is the 20% darker color. If you saturate the color by 10%, you get **121, 206, 65**, and if you desaturate by 10%, it is **146, 206, 107**.

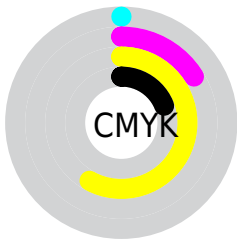
Distribution



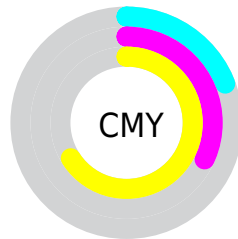
- Red (81%)
- Green (67%)
- Blue (34%)



- Red (52%)
- Yellow (81%)
- Blue (34%)



- Cyan (0%)
- Magenta (16%)
- Yellow (58%)
- Black (19%)




















- Cyan (19%)
- Magenta (32%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 206, 86 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 133, 206, 86 by changing the saturation by 10% instead.

 133, 206, 86	 133, 206, 86
 255, 255, 255	 103, 177, 61
 175, 255, 138	 74, 149, 35
 165, 255, 165	 36, 121, 4
 193, 255, 193	 29, 94, 0
 221, 255, 221	 24, 68, 0
 250, 255, 250	 19, 42, 0
	 15, 8, 0
	 0, 0, 0

 133, 206, 86	 133, 206, 86
--	--

121, 206, 65

146, 206, 107

107, 206, 45

157, 206, 127

95, 206, 24

170, 206, 148

83, 206, 4

183, 206, 168

81, 206, 0

196, 206, 189

206, 207, 210

206, 211, 230

206, 216, 251

206, 219, 255

Harmonies

Analogous

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



240, 189, 103



133, 206, 86



95, 185, 118

Triad

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



133, 206, 86



0, 103, 215



227, 149, 224

Complementary

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



133, 206, 86



86, 112, 206

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.



174, 166, 254



133, 206, 86



0, 109, 249

Square

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



133, 206, 86



0, 106, 198



92, 150, 255



255, 140, 181

Rectangle

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



133, 206, 86



115, 192, 180



92, 150, 255



212, 155, 236

Sweetspot

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



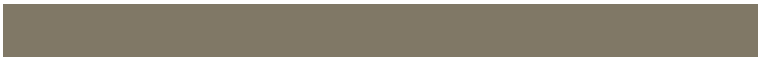
133, 206, 86



229, 255, 212



206, 86, 120



114, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



133, 206, 86



147, 255, 77



86, 206, 112



96, 102, 92



66, 166, 0



15, 38, 0

Inverse Universe

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



86, 112, 206



77, 116, 255



112, 86, 206



92, 94, 102



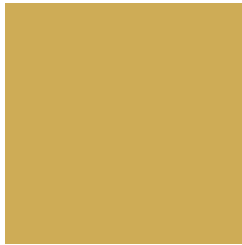
0, 37, 166



0, 9, 38

Previews

White Background



This preview shows how the RYB color 133, 206, 86 looks on a white background.

Color Contrast Check

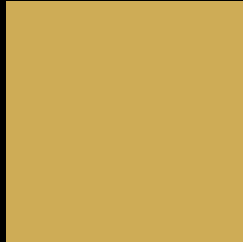
Large Text (above 18pt) WCAG AA × Fail

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 133, 206, 86 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](#).

R Y B 133, 206, 86 Background



This preview shows how black text looks on a background with the RYB color 133, 206, 86.

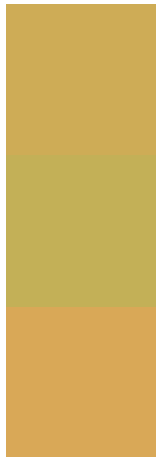


This preview shows how white text looks on a background with the RYB color 133, 206, 86.

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
133, 206, 86

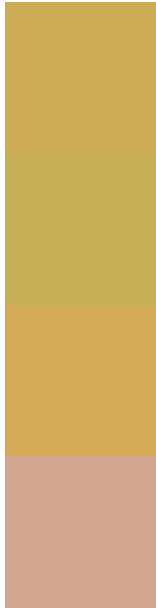
Protanopia
110, 195, 87

Deuteranopia
166, 217, 87



Tritanopia
214, 162, 175

Trichromacy



Original Color
133, 206, 86

Protanomaly
118, 199, 87

Deuteranomaly
152, 213, 87

Tritanomaly
211, 178, 143

Monochromacy



Original Color
133, 206, 86

Achromatopsia
172, 172, 172

Achromatomaly
158, 184, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 206, 86 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(206, 172, 86)` looks like.

```
.text, #text, p{  
    color:rgb(206, 172, 86)  
}
```

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(206, 172, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 172, 86) }
```

Border

The CSS property to change the border of an element to RYB 133, 206, 86 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(206, 172, 86) }
```

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

```
.border{ border-color:rgb(206, 172, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 172, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 172, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 172, 86);  
box-shadow:4px 4px 4px 4px rgb(206, 172,  
86) }
```

Background

The CSS property to change the background color of an element to RYB 133, 206, 86 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 172, 86) }
```

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

```
.background{ background-color: rgb(206,  
172, 86) }
```

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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