

Converting Colors

`RYB(134, 202, 102)`

Have a look what the booklet for
RYB(134, 202, 102) contains.

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Color

R_YB(134, 202, 102)

Conversions

Conversions Part 1

Format	Color
Hex	CAB266
RGB	202, 178, 102
RGB Percent	79%, 70%, 40%
CMY	0.2078, 0.3029, 0.6000
CMYK	0.00, 0.12, 0.50, 0.21
HSL	45°, 49%, 60%
HSV	45°, 50%, 79%
XYZ	42.6276, 45.2603, 19.0598
YIQ	176.5120, 38.7000, -18.5480

Conversions

Conversions Part 2

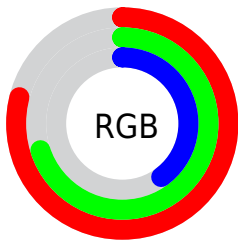
Format	Color
RYB	134, 202, 102
Decimal	13283942
CIELab	73.06, -1.17, 41.68
CIELCh	73, 41.694, 91.603
Yxy	45.2603, 0.3986, 0.4232
Android (android.graphics.Color)	4291474022 (0xFFCAB266)
YUV	176.5120, -36.7344, 22.3530
Hunter-Lab	67.2758, -4.6305, 30.2957

Details

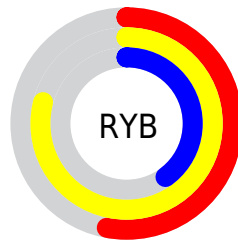
The RYB color **134, 202, 102** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **102, 121, 202**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **181, 255, 154**, and **77, 146, 52** is the 20% darker color. If you saturate the color by 10%, you get **120, 202, 82**, and if you desaturate by 10%, it is **147, 202, 122**.

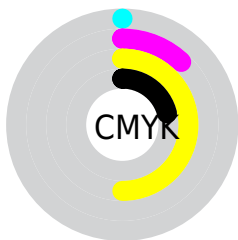
Distribution



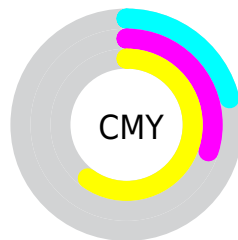
- Red (79%)
- Green (70%)
- Blue (40%)



- Red (53%)
- Yellow (79%)
- Blue (40%)



- Cyan (0%)
- Magenta (12%)
- Yellow (50%)
- Black (21%)



- Cyan (21%)
- Magenta (30%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 134, 202, 102 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 134, 202, 102 by changing the saturation by 10% instead.


 134, 202, 102

 134, 202, 102


255, 255, 255

 107, 174, 77

 182, 255, 154

 79, 146, 52

 182, 255, 182


 49, 119, 27

 210, 255, 210

 18, 92, 0

 238, 255, 238

 16, 67, 0

 11, 42, 0

 2, 14, 0

 0, 0, 0

 134, 202, 102

 134, 202, 102

■ 120, 202, 82

■ 147, 202, 122

■ 107, 202, 62

■ 160, 202, 142

■ 92, 202, 41

■ 176, 202, 163

■ 79, 202, 21

■ 190, 202, 183

■ 66, 202, 1

■ 202, 202, 203

■ 65, 202, 0

■ 202, 206, 223

■ 202, 210, 243

■ 202, 214, 255

■ 202, 217, 255

Harmonies

Analogous

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



233, 202, 113



134, 202, 102



113, 189, 140

Triad

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



134, 202, 102



0, 104, 218



229, 156, 216

Complementary

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



134, 202, 102



102, 121, 202

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.



186, 169, 244



134, 202, 102



45, 130, 246

Square

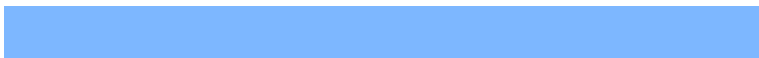
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



134, 202, 102



57, 134, 200



125, 165, 255



251, 149, 179

Rectangle

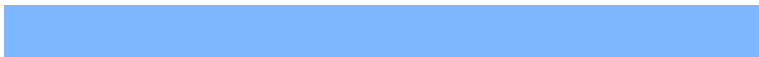
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



134, 202, 102



131, 194, 193



125, 165, 255



217, 159, 227

Sweetspot

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



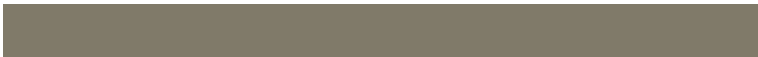
134, 202, 102



229, 255, 217



202, 102, 127



113, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



134, 202, 102



152, 255, 105



102, 202, 127



95, 102, 92



53, 166, 0



12, 38, 0

Inverse Universe

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



102, 121, 202



105, 134, 255



127, 102, 202



92, 94, 102



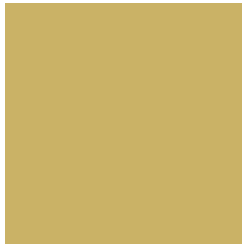
0, 32, 166



0, 7, 38

Previews

White Background



This preview shows how the RYB color 134, 202, 102 looks on a white background.

Color Contrast Check

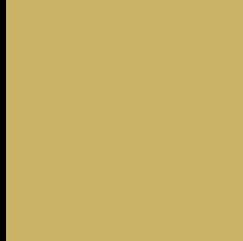
Large Text (above 18pt) WCAG AA × Fail

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 134, 202, 102 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 134, 202, 102 Background



This preview shows how black text looks on a background with the RYB color 134, 202, 102.



This preview shows how white text looks on a background with the RYB color 134, 202, 102.

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
134, 202, 102

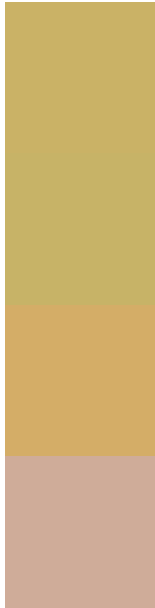
Protanopia
124, 197, 103

Deuteranopia
184, 218, 104



Tritanopia
210, 168, 182

Trichromacy



Original Color
134, 202, 102

Protanomaly
128, 199, 103

Deuteranomaly
164, 212, 103

Tritanomaly
207, 182, 153

Monochromacy



Original Color
134, 202, 102

Achromatopsia
176, 176, 176

Achromatomaly
159, 185, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 134, 202, 102 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(202, 178, 102)` looks like.

```
.text, #text, p{  
    color:rgb(202, 178, 102)  
}
```

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(202, 178, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 178, 102) }
```

Border

The CSS property to change the border of an element to RYB 134, 202, 102 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(202, 178, 102) }
```

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

```
.border{ border-color:rgb(202, 178, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 178, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 178, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 178, 102);  
box-shadow:4px 4px 4px 4px rgb(202, 178,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 134, 202, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 178, 102) }
```

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

```
.background{ background-color: rgb(202,  
178, 102) }
```

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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