

Converting Colors

`RYB(130, 228, 202)`

Have a look what the booklet for
RYB(130, 228, 202) contains.

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Color

R_YB(130, 228, 202)

Conversions

Conversions Part 1

Format	Color
Hex	9CE482
RGB	156, 228, 130
RGB Percent	61%, 89%, 51%
CMY	0.3882, 0.1059, 0.4902
CMYK	0.32, 0.00, 0.43, 0.11
HSL	104°, 64%, 70%
HSV	104°, 43%, 89%
XYZ	45.4830, 64.1664, 31.1072
YIQ	195.3000, -11.4540, -45.7420

Conversions

Conversions Part 2

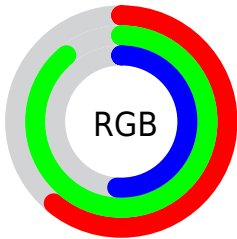
Format	Color
RYB	130, 228, 202
Decimal	10282114
CIELab	84.05, -40.17, 40.78
CIElCh	84, 57.244, 134.570
Yxy	64.1664, 0.3231, 0.4559
Android (android.graphics.Color)	4288472194 (0xFF9CE482)
YUV	195.3000, -32.1929, -34.4661
Hunter-Lab	80.1040, -38.8297, 33.0483

Details

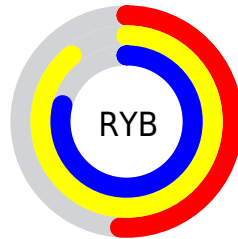
The RYB color **130, 228, 202** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **202, 130, 228**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **184, 255, 226**, and **79, 172, 150** is the 20% darker color. If you saturate the color by 10%, you get **107, 228, 196**, and if you desaturate by 10%, it is **153, 228, 208**.

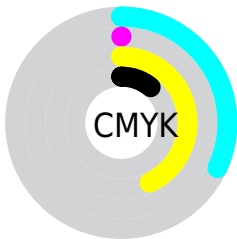
Distribution



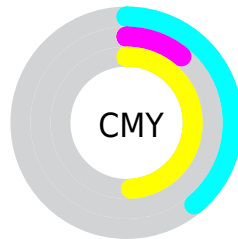
- Red (61%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (79%)



- Cyan (32%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)



- Cyan (39%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 130, 228, 202 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 130, 228, 202 by changing the saturation by 10% instead.

 130, 228, 202

255, 255, 255


 184, 255, 226


 212, 255, 225


 241, 255, 241

 130, 228, 202

 104, 200, 176

 79, 172, 150

 54, 145, 125

 28, 119, 101

 0, 94, 83

 0, 69, 69

 0, 46, 46

 0, 23, 23

 0, 0, 0

 130, 228, 202

 130, 228, 202

 107, 228, 196

 153, 228, 208


 84, 228, 190

 176, 228, 214

 62, 228, 184

 198, 228, 220

 39, 228, 178

 221, 228, 226

 16, 228, 172

 240, 228, 244

 0, 228, 168

 255, 228, 255

Harmonies

Analogous

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



102, 216, 101



130, 228, 202



69, 169, 235

Triad

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



130, 228, 202



0, 119, 255



255, 165, 185

Complementary

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



130, 228, 202



202, 130, 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.



255, 168, 240



130, 228, 202



168, 194, 255

Square

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



130, 228, 202



0, 122, 255



248, 185, 255



255, 199, 136

Rectangle

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



130, 228, 202



0, 124, 237



248, 185, 255



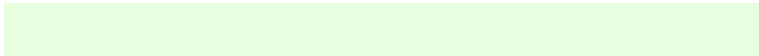
255, 164, 203

Sweetspot

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



130, 228, 202



222, 255, 246



165, 228, 130



107, 128, 122



0, 0, 0



128, 128, 128

Same Dimension

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



130, 228, 202



122, 255, 219



130, 209, 228



103, 115, 112



0, 179, 132



0, 51, 37

Inverse Universe

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



202, 130, 228



220, 122, 255



228, 130, 205



112, 103, 115



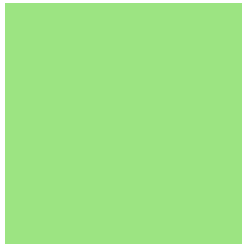
131, 0, 179



37, 0, 51

Previews

White Background



This preview shows how the RYB color 130, 228, 202 looks on a white background.

Color Contrast Check

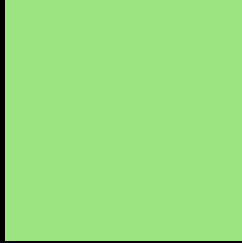
Large Text (above 18pt) WCAG AA × Fail

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 130, 228, 202 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 130, 228, 202 Background



This preview shows how black text looks on a background with the RYB color 130, 228, 202.

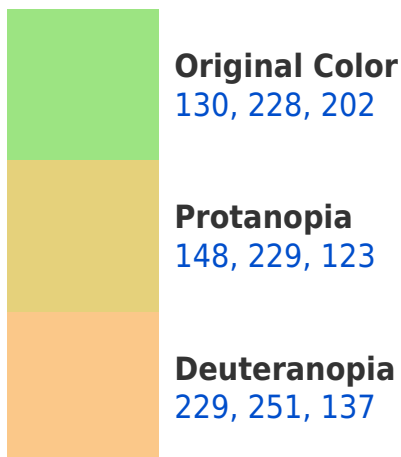


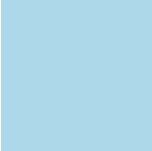
This preview shows how white text looks on a background with the RYB color 130, 228, 202.

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





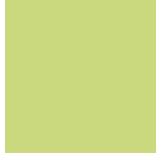
Tritanopia
173, 198, 233

Trichromacy



Original Color

130, 228, 202



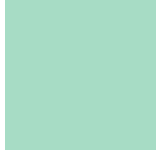
Protanomaly

126, 216, 140



Deuteranomaly

140, 216, 134



Tritanomaly

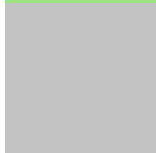
167, 201, 220

Monochromacy



Original Color

130, 228, 202



Achromatopsia

195, 195, 195



Achromatomaly

171, 207, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 130, 228, 202 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(156, 228, 130)` looks like.

```
.text, #text, p{  
    color:rgb(156, 228, 130)  
}
```

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(156, 228, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 228, 130) }
```

Border

The CSS property to change the border of an element to RYB 130, 228, 202 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(156, 228, 130) }
```

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

```
.border{ border-color:rgb(156, 228, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 228, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 228, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 228, 130);  
box-shadow:4px 4px 4px 4px rgb(156, 228,  
130) }
```

Background

The CSS property to change the background color of an element to RYB 130, 228, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 228, 130) }
```

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

```
.background{ background-color: rgb(156,  
228, 130) }
```

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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