

Converting Colors

`RYB(132, 196, 100)`

Have a look what the booklet for
RYB(132, 196, 100) contains.

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Color

R_YB(132, 196, 100)

Conversions

Conversions Part 1

Format	Color
Hex	C4AC64
RGB	196, 172, 100
RGB Percent	77%, 67%, 39%
CMY	0.2314, 0.3255, 0.6078
CMYK	0.00, 0.12, 0.49, 0.23
HSL	45°, 45%, 58%
HSV	45°, 49%, 77%
XYZ	39.8177, 42.1609, 18.0958
YIQ	170.9680, 37.4160, -17.3040

Conversions

Conversions Part 2

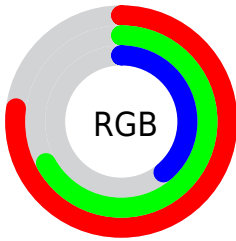
Format	Color
RYB	132, 196, 100
Decimal	12889188
CIELab	70.98, -0.80, 40.01
CIELCh	71, 40.016, 91.141
Yxy	42.1609, 0.3979, 0.4213
Android (android.graphics.Color)	4291079268 (0xFFC4AC64)
YUV	170.9680, -34.9872, 21.9531
Hunter-Lab	64.9314, -4.1689, 28.9284

Details

The RYB color **132, 196, 100** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **100, 119, 196**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **189, 254, 152**, and **77, 140, 51** is the 20% darker color. If you saturate the color by 10%, you get **119, 196, 80**, and if you desaturate by 10%, it is **145, 196, 120**.

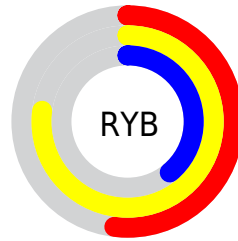
Distribution



Red (77%)

Green (67%)

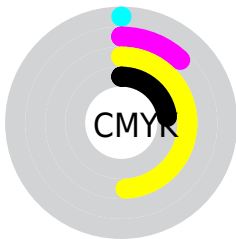
Blue (39%)



Red (52%)

Yellow (77%)

Blue (39%)

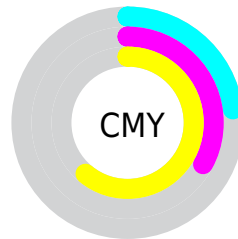


Cyan (0%)

Magenta (12%)

Yellow (49%)

Black (23%)



Cyan (23%)


Magenta (33%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 132, 196, 100 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 132, 196, 100 by changing the saturation by 10% instead.

 132, 196, 100


255, 255, 255

 189, 254, 152

 179, 255, 179

 207, 255, 207

 236, 255, 236


 132, 196, 100


 104, 168, 75

 77, 140, 51

 49, 113, 26


 18, 87, 0


 15, 62, 0

 10, 37, 0

 0, 4, 1

 0, 0, 0

 132, 196, 100

 132, 196, 100

■ 119, 196, 80

■ 145, 196, 120

■ 106, 196, 61

■ 158, 196, 139

■ 93, 196, 41

■ 171, 196, 159

■ 81, 196, 22

■ 183, 196, 178

■ 66, 196, 2

■ 196, 197, 198

■ 65, 196, 0

■ 196, 200, 218

■ 196, 204, 237

■ 196, 208, 255

■ 196, 211, 255

Harmonies

Analogous

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



226, 193, 111



132, 196, 100



110, 183, 135

Triad

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



132, 196, 100



0, 100, 210



221, 151, 210

Complementary

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



132, 196, 100



100, 119, 196

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.



179, 164, 236



132, 196, 100



49, 129, 237

Square

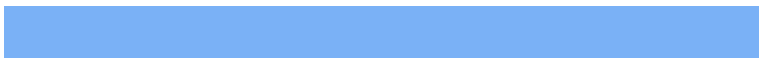
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



132, 196, 100



60, 132, 193



122, 160, 246



242, 145, 174

Rectangle

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



132, 196, 100



127, 188, 186



122, 160, 246



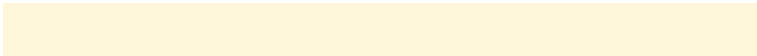
209, 155, 220

Sweetspot

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



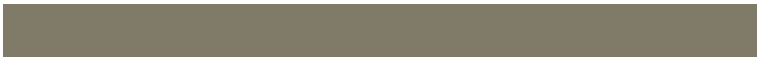
132, 196, 100



231, 255, 217



196, 100, 124



113, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



132, 196, 100



156, 255, 105



100, 196, 124



91, 97, 87



55, 161, 0



11, 33, 0

Inverse Universe

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



100, 119, 196



105, 135, 255



124, 100, 196



87, 89, 97



0, 32, 161



0, 6, 33

Previews

White Background



This preview shows how the RYB color 132, 196, 100 looks on a white background.

Color Contrast Check

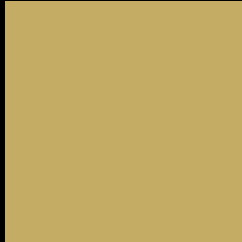
Large Text (above 18pt) WCAG AA × Fail

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 132, 196, 100 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 132, 196, 100 Background



This preview shows how black text looks on a background with the RYB color 132, 196, 100.

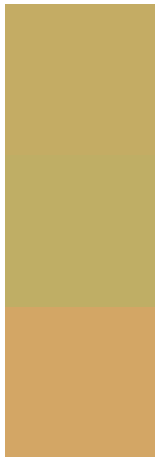


This preview shows how white text looks on a background with the RYB color 132, 196, 100.

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
132, 196, 100

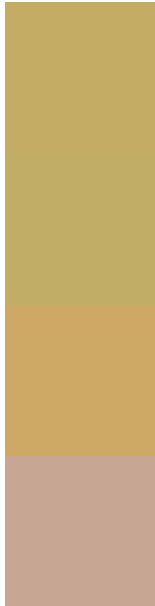
Protanopia
122, 191, 101

Deuteranopia
177, 211, 101



Tritanopia
203, 163, 176

Trichromacy



Original Color
132, 196, 100

Protanomaly
127, 193, 101

Deuteranomaly
161, 206, 101

Tritanomaly
200, 176, 148

Monochromacy



Original Color
132, 196, 100

Achromatopsia
171, 171, 171

Achromatomaly
157, 180, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 132, 196, 100 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(196, 172, 100)` looks like.

```
.text, #text, p{  
    color:rgb(196, 172, 100)  
}
```

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(196, 172, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 172, 100) }
```

Border

The CSS property to change the border of an element to RYB 132, 196, 100 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(196, 172, 100) }
```

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

```
.border{ border-color:rgb(196, 172, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 172, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 172, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 172, 100);  
box-shadow:4px 4px 4px 4px rgb(196, 172,  
100) }
```

Background

The CSS property to change the background color of an element to RYB 132, 196, 100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 172, 100) }
```

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

```
.background{ background-color: rgb(196,  
172, 100) }
```

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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