

Converting Colors

`RYB(196, 181, 112)`

Have a look what the booklet for
RYB(196, 181, 112) contains.

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Color

R_YB(196, 181, 112)

Conversions

Conversions Part 1

Format	Color
Hex	C49670
RGB	196, 150, 112
RGB Percent	77%, 59%, 44%
CMY	0.2314, 0.4122, 0.5608
CMYK	0.00, 0.24, 0.43, 0.23
HSL	27°, 42%, 60%
HSV	27°, 43%, 77%
XYZ	36.5772, 34.6808, 20.0955
YIQ	159.4220, 39.6140, -2.0660

Conversions

Conversions Part 2

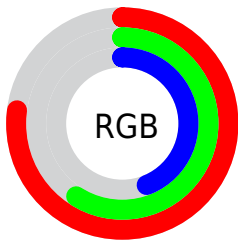
Format	Color
RYB	196, 181, 112
Decimal	12883568
CIELab	65.50, 12.40, 26.65
CIELCh	65, 29.388, 65.052
Yxy	34.6808, 0.4004, 0.3796
Android (android.graphics.Color)	4291073648 (0xFFC49670)
YUV	159.4220, -23.3790, 32.0789
Hunter-Lab	58.8904, 7.8092, 20.9914

Details

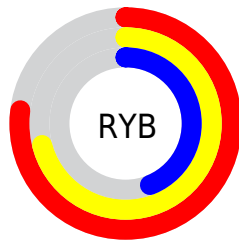
The RYB color **196, 181, 112** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **112, 142, 196**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **254, 236, 164**, and **140, 129, 64** is the 20% darker color. If you saturate the color by 10%, you get **196, 178, 92**, and if you desaturate by 10%, it is **196, 185, 132**.

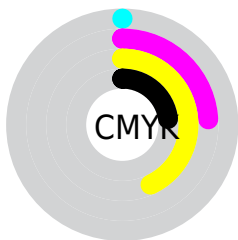
Distribution



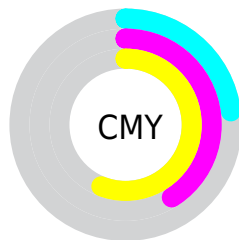
- Red (77%)
- Green (59%)
- Blue (44%)



- Red (77%)
- Yellow (71%)
- Blue (44%)



- Cyan (0%)
- Magenta (24%)
- Yellow (43%)
- Black (23%)



- Cyan (23%)
- Magenta (41%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 181, 112 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 196, 181, 112 by changing the saturation by 10% instead.

 196, 181, 112

255, 255, 255

 254, 236, 164


 227, 255, 191


 219, 255, 219

 248, 255, 248

 196, 181, 112

 168, 155, 87

 140, 129, 64

 113, 105, 41

 87, 83, 19

 63, 61, 0

 38, 12, 0

 0, 0, 0

 196, 181, 112

 196, 178, 92

 196, 181, 112

 196, 185, 132

 196, 172, 73

 196, 187, 151

 196, 172, 53

 196, 191, 171

 196, 167, 34

 196, 196, 190

 196, 163, 14

 196, 201, 210

 196, 160, 0

 196, 208, 230

 196, 215, 249

 196, 220, 255

 196, 223, 255

Harmonies

Analogous

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



210, 144, 130



196, 181, 112



124, 173, 106

Triad

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



196, 181, 112



85, 132, 174



168, 151, 202

Complementary

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



196, 181, 112



112, 142, 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.



131, 152, 211



196, 181, 112



72, 126, 188

Square

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



196, 181, 112



114, 156, 172



93, 138, 206



196, 143, 182

Rectangle

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



196, 181, 112



111, 164, 121



93, 138, 206



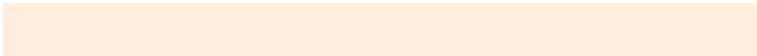
157, 154, 207

Sweetspot

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



196, 181, 112



255, 250, 222



196, 112, 158



128, 123, 107



0, 0, 0



128, 128, 128

Same Dimension

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



196, 181, 112



255, 233, 125



116, 196, 112



97, 97, 87



161, 130, 0



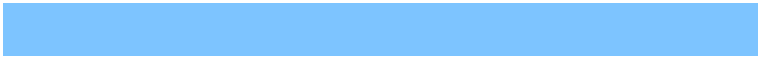
33, 28, 0

Inverse Universe

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



112, 142, 196



125, 171, 255



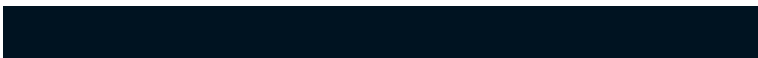
112, 116, 196



87, 91, 97



0, 57, 161



0, 12, 33

Previews

White Background



This preview shows how the RYB color 196, 181, 112 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 196, 181, 112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

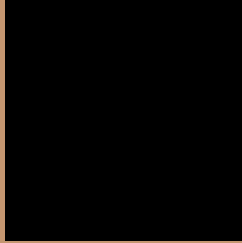
Any Text WCAG AA ✓ Pass

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 196, 181, 112 Background



This preview shows how black text looks on a background with the RYB color 196, 181, 112.



This preview shows how white text looks on a background with the RYB color 196, 181, 112.

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
196, 181, 112

Protanopia
131, 171, 116

Deuteranopia
181, 190, 111



Tritanopia
200, 144, 155

Trichromacy



Original Color
196, 181, 112

Protanomaly
153, 180, 115

Deuteranomaly
190, 192, 111

Tritanomaly
199, 147, 139

Monochromacy



Original Color
196, 181, 112

Achromatopsia
159, 159, 159

Achromatomaly
172, 168, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 181, 112 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, 150, 112)` looks like.

```
.text, #text, p{  
    color:rgb(196, 150, 112)  
}
```

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, 150, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 150, 112) }
```

Border

The CSS property to change the border of an element to RYB 196, 181, 112 is called "border". The border property can be set on classes, ids or directly on the HTML element.

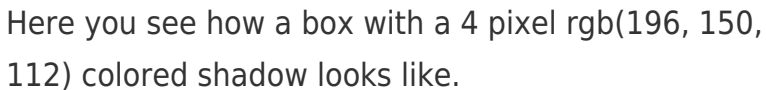
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 150, 112) }
```

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

```
.border{ border-color:rgb(196, 150, 112) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 150, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 150, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 150, 112); box-shadow:4px 4px 4px 4px rgb(196, 150, 112) }
```

Background

The CSS property to change the background color of an element to RYB 196, 150, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 150, 112) }
```

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

```
.background{ background-color: rgb(196,  
150, 112) }
```

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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