

Converting Colors

`RYB(213, 181, 110)`

Have a look what the booklet for
RYB(213, 181, 110) contains.

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Color

$\text{RYB}(213, 181, 110)$

Conversions

Conversions Part 1

Format	Color
Hex	D5986E
RGB	213, 152, 110
RGB Percent	84%, 60%, 43%
CMY	0.1647, 0.4038, 0.5686
CMYK	0.00, 0.29, 0.48, 0.16
HSL	24°, 55%, 63%
HSV	24°, 48%, 84%
XYZ	41.4879, 37.7377, 19.8493
YIQ	165.4510, 49.8380, -0.1300

Conversions

Conversions Part 2

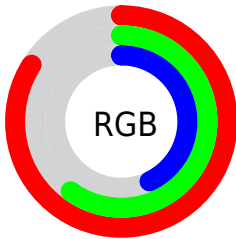
Format	Color
R_{YB}	213, 181, 110
Decimal	13998190
CIE _{Lab}	67.83, 17.96, 31.13
CIE _{LCh}	68, 35.936, 60.013
Yxy	37.7377, 0.4188, 0.3809
Android (android.graphics.Color)	4292188270 (0xFFD5986E)
YUV	165.4510, -27.3373, 41.7005
Hunter-Lab	61.4310, 13.0471, 23.8442

Details

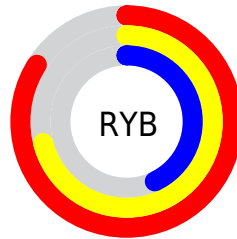
The RYB color **213, 181, 110** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **110, 148, 213**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **255, 246, 162**, and **156, 130, 61** is the 20% darker color. If you saturate the color by 10%, you get **213, 173, 89**, and if you desaturate by 10%, it is **213, 189, 131**.

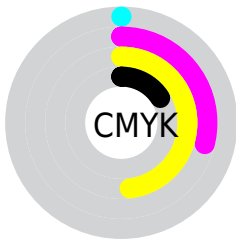
Distribution



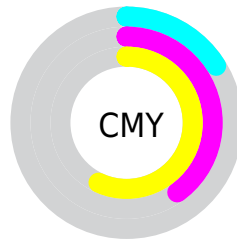
- Red (84%)
- Green (60%)
- Blue (43%)



- Red (84%)
- Yellow (71%)
- Blue (43%)



- Cyan (0%)
- Magenta (29%)
- Yellow (48%)
- Black (16%)



- Cyan (16%)
- Magenta (40%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 213, 181, 110 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 213, 181, 110 by changing the saturation by 10% instead.

 213, 181, 110

 213, 181, 110


255, 255, 255

 184, 155, 85


 255, 246, 162

 156, 130, 61

 218, 255, 189

 128, 105, 39

 217, 255, 217

 101, 85, 16

 246, 255, 246

 75, 56, 0


 48, 14, 0

 20, 0, 0


 0, 0, 0


 213, 181, 110


 213, 181, 110

 213, 173, 89


 213, 189, 131

 213, 169, 67


 213, 193, 153

 213, 161, 46


 213, 201, 174

 213, 155, 25

 213, 206, 195

 213, 147, 4

 213, 214, 217

 213, 147, 0

 213, 222, 238

 213, 229, 255

 213, 233, 255

 213, 234, 255

Harmonies

Analogous

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



227, 144, 134



213, 181, 110



133, 187, 100

Triad

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



213, 181, 110



71, 132, 183



169, 157, 221

Complementary

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



213, 181, 110



110, 148, 213

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.



119, 153, 230



213, 181, 110



34, 112, 197

Square

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



213, 181, 110



114, 166, 180



63, 129, 221



206, 146, 198

Rectangle

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



213, 181, 110



103, 170, 108



63, 129, 221



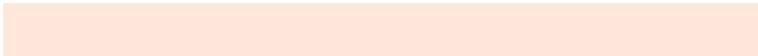
153, 160, 226

Sweetspot

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



213, 181, 110



255, 242, 217



213, 110, 172



128, 120, 105



0, 0, 0



128, 128, 128

Same Dimension

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



213, 181, 110



255, 208, 107



121, 213, 110



107, 105, 96



171, 119, 0



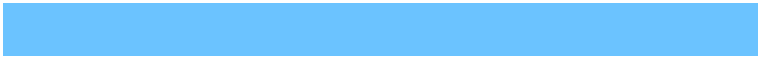
43, 31, 0

Inverse Universe

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



110, 148, 213



107, 162, 255



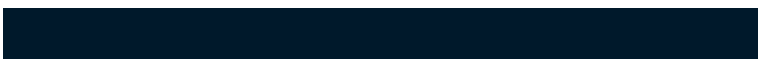
110, 119, 213



96, 100, 107



0, 63, 171



0, 16, 43

Previews

White Background



This preview shows how the RYB color 213, 181, 110 looks on a white background.

Color Contrast Check

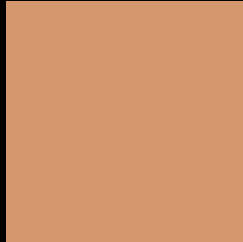
Large Text (above 18pt) WCAG AA × Fail

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 213, 181, 110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

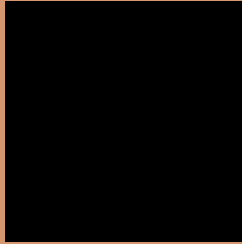
Any Text WCAG AA ✓ Pass

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 213, 181, 110 Background



This preview shows how black text looks on a background with the RYB color 213, 181, 110.



This preview shows how white text looks on a background with the RYB color 213, 181, 110.

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
213, 181, 110

Protanopia
134, 179, 116

Deuteranopia
184, 199, 109



Tritanopia
217, 146, 157

Trichromacy



Original Color
213, 181, 110

Protanomaly
166, 191, 114

Deuteranomaly
204, 202, 109

Tritanomaly
216, 149, 140

Monochromacy



Original Color
213, 181, 110

Achromatopsia
165, 165, 165

Achromatomaly
182, 170, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 213, 181, 110 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(213, 152, 110)` looks like.

```
.text, #text, p{  
    color:rgb(213, 152, 110)  
}
```

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(213, 152, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 152, 110) }
```

Border

The CSS property to change the border of an element to RYB 213, 181, 110 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(213, 152, 110) }
```

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

```
.border{ border-color:rgb(213, 152, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 152, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 152, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 152, 110);  
box-shadow:4px 4px 4px 4px rgb(213, 152,  
110) }
```

Background

The CSS property to change the background color of an element to RYB 213, 152, 110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 152, 110) }
```

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

```
.background{ background-color: rgb(213,  
152, 110) }
```

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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