

Converting Colors

`RYB(130, 215, 76)`

Have a look what the booklet for
RYB(130, 215, 76) contains.

RYB(130, 215, 76)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(130, 215, 76)$

Conversions

Conversions Part 1

Format	Color
Hex	D7B04C
RGB	215, 176, 76
RGB Percent	84%, 69%, 30%
CMY	0.1569, 0.3094, 0.7020
CMYK	0.00, 0.18, 0.65, 0.16
HSL	43°, 63%, 57%
HSV	43°, 65%, 84%
XYZ	44.8755, 46.0622, 13.3632
YIQ	176.2610, 55.3440, -22.8320

Conversions

Conversions Part 2

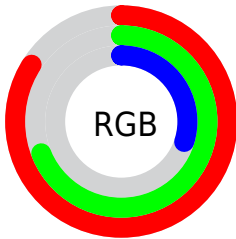
Format	Color
RYB	130, 215, 76
Decimal	14135372
CIELab	73.59, 3.19, 55.07
CIELCh	74, 55.160, 86.682
Yxy	46.0622, 0.4303, 0.4416
Android (android.graphics.Color)	4292325452 (0xFFD7B04C)
YUV	176.2610, -49.4287, 33.9741
Hunter-Lab	67.8692, -0.7457, 35.8344

Details

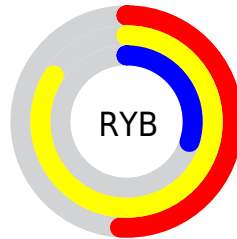
The RYB color **130, 215, 76** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **76, 106, 215**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **159, 255, 129**, and **63, 157, 20** is the 20% darker color. If you saturate the color by 10%, you get **116, 215, 54**, and if you desaturate by 10%, it is **143, 215, 97**.

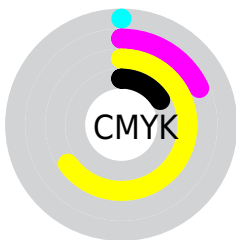
Distribution



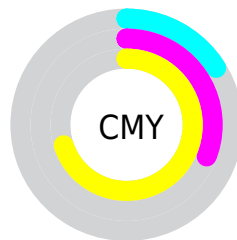
- Red (84%)
- Green (69%)
- Blue (30%)



- Red (51%)
- Yellow (84%)
- Blue (30%)



- Cyan (0%)
- Magenta (18%)
- Yellow (65%)
- Black (16%)



















- Cyan (16%)
- Magenta (31%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 130, 215, 76 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, 215, 76 by changing the saturation by 10% instead.

 130, 215, 76	 130, 215, 76
 255, 255, 255	 99, 186, 50
 159, 255, 129	 63, 157, 20
 156, 255, 156	 37, 128, 0
 184, 255, 184	 33, 101, 0
 212, 255, 212	 29, 74, 0
 241, 255, 241	 24, 48, 0
	 23, 18, 0
	 0, 0, 0

 130, 215, 76	 130, 215, 76
--	--

■ 116, 215, 54

■ 143, 215, 97

■ 104, 215, 33

■ 157, 215, 119

■ 90, 215, 11

■ 169, 215, 140

■ 83, 215, 0

■ 183, 215, 162

■ 197, 215, 184

■ 209, 215, 205

■ 215, 217, 227

■ 215, 222, 248

■ 215, 226, 255

Harmonies

Analogous

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



253, 195, 97



130, 215, 76



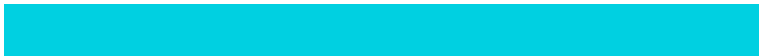
86, 191, 112

Triad

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



130, 215, 76



0, 108, 225



238, 150, 237

Complementary

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



130, 215, 76



76, 106, 215

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.



175, 170, 255



130, 215, 76



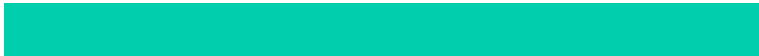
0, 112, 255

Square

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



130, 215, 76



0, 112, 206



64, 139, 255



255, 138, 189

Rectangle

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



130, 215, 76



109, 198, 182



64, 139, 255



220, 156, 251

Sweetspot

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



130, 215, 76



227, 255, 207



215, 76, 115



111, 128, 98



0, 0, 0



128, 128, 128

Same Dimension

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



130, 215, 76



134, 255, 56



76, 215, 106



100, 107, 96



67, 171, 0



17, 43, 0

Inverse Universe

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



76, 106, 215



56, 100, 255



106, 76, 215



96, 98, 107



0, 37, 171



0, 9, 43

Previews

White Background



This preview shows how the RYB color 130, 215, 76 looks on a white background.

Color Contrast Check

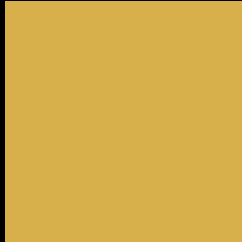
Large Text (above 18pt) WCAG AA × Fail

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, 215, 76 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, 215, 76 Background



This preview shows how black text looks on a background with the RYB color 130, 215, 76.



This preview shows how white text looks on a background with the RYB color 130, 215, 76.

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


[130, 215, 76](#)

Protanopia

[102, 201, 78](#)

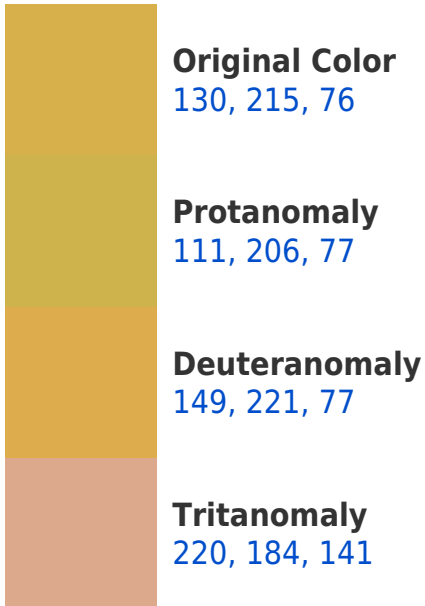
Deuteranopia

[160, 225, 77](#)

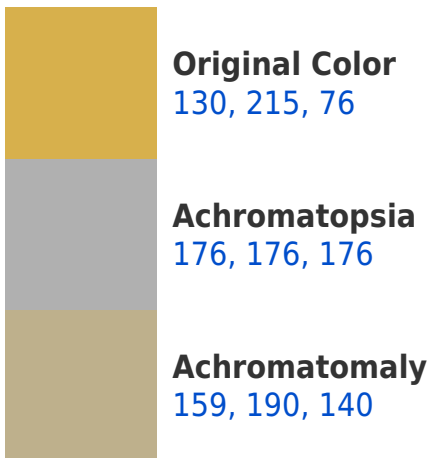


Tritanopia
223, 165, 178

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 130, 215, 76 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(215, 176, 76)` looks like.

```
.text, #text, p{  
    color:rgb(215, 176, 76)  
}
```

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(215, 176, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 176, 76) }
```

Border

The CSS property to change the border of an element to RYB 130, 215, 76 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(215, 176, 76) }
```

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

```
.border{ border-color:rgb(215, 176, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 176, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 176, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 176, 76);  
box-shadow:4px 4px 4px 4px rgb(215, 176,  
76) }
```

Background

The CSS property to change the background color of an element to RYB 130, 215, 76 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 176, 76) }
```

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

```
.background{ background-color: rgb(215,  
176, 76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor