

# Converting Colors

`RYB(221, 140, 85)`

Have a look what the booklet for  
RYB(221, 140, 85) contains.

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# Color

**$\text{RYB}(221, 140, 85)$**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DD7C55
RGB	221, 124, 85
RGB Percent	87%, 49%, 33%
CMY	0.1333, 0.5131, 0.6667
CMYK	0.00, 0.44, 0.62, 0.13
HSL	17°, 67%, 60%
HSV	17°, 62%, 87%
XYZ	38.6865, 30.4840, 12.4393
YIQ	148.5570, 70.3310, 8.4350

# Conversions

## Conversions Part 2

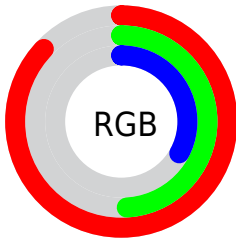
Format	Color
R <sub>Y</sub> B	221, 140, 85
Decimal	14515285
CIE Lab	62.07, 34.04, 37.56
CIE LCh	62, 50.688, 47.812
Yxy	30.4840, 0.4740, 0.3735
Android (android.graphics.Color)	4292705365 (0xFFDD7C55)
YUV	148.5570, -31.3336, 63.5325
Hunter-Lab	55.2124, 28.4507, 25.2906

# Details

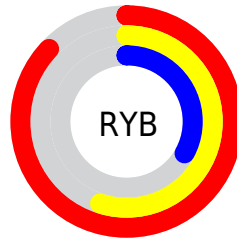
The RYB color **221, 140, 85** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **85, 142, 221**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **255, 201, 136**, and **161, 87, 38** is the 20% darker color. If you saturate the color by 10%, you get **221, 126, 63**, and if you desaturate by 10%, it is **221, 153, 107**.

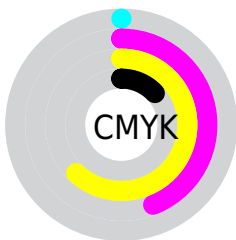
# Distribution



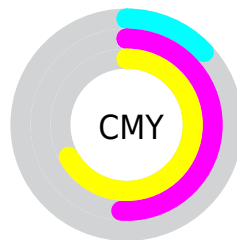
- Red (87%)
- Green (49%)
- Blue (33%)



- Red (87%)
- Yellow (55%)
- Blue (33%)



- Cyan (0%)
- Magenta (44%)
- Yellow (62%)
- Black (13%)



- Cyan (13%)
- Magenta (51%)
- Yellow (67%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 221, 140, 85 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 221, 140, 85 by changing the saturation by 10% instead.



 221, 140, 85       221, 140, 85

255, 255, 255       191, 113, 61

 255, 201, 136       161, 87, 38

 255, 246, 162       132, 63, 15

 220, 255, 189       104, 31, 0


 217, 255, 217       75, 0, 0


 246, 255, 246       49, 0, 0


 0, 0, 0


 221, 140, 85       221, 140, 85


 221, 126, 63       221, 153, 107


 221, 114, 41

 221, 167, 129

 221, 100, 19


 221, 179, 151


 221, 90, 0


 221, 193, 173

 221, 207, 195

 221, 220, 218

 221, 229, 240

 221, 237, 255

 221, 238, 255

# Harmonies

## Analogous

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



234, 112, 125



221, 140, 85



139, 191, 59

# Triad

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



221, 140, 85



0, 97, 171



121, 141, 236

# Complementary

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



221, 140, 85



85, 142, 221

# 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.



0, 96, 237



221, 140, 85



0, 87, 176

# Square

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



221, 140, 85



87, 166, 156



0, 95, 216



187, 127, 211

# Rectangle

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



221, 140, 85



71, 164, 56



0, 95, 216



89, 133, 239

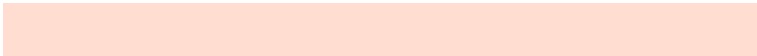


# Sweetspot

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



221, 140, 85



255, 227, 209



221, 85, 182



128, 112, 99



0, 0, 0



128, 128, 128



# Same Dimension

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



221, 140, 85



255, 144, 66



122, 221, 85



110, 103, 99



173, 70, 0



46, 18, 0



# Inverse Universe

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



85, 142, 221



66, 145, 255



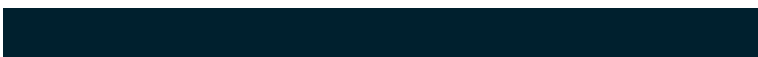
85, 109, 221



99, 103, 110



0, 72, 173



0, 19, 46



# Previews

## White Background



This preview shows how the RYB color 221, 140, 85 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 221, 140, 85 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 221, 140, 85 Background



This preview shows how black text looks on a background with the RYB color 221, 140, 85.



This preview shows how white text looks on a background with the RYB color 221, 140, 85.

# 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**  
221, 140, 85

**Protanopia**  
113, 164, 95

**Deuteranopia**  
149, 184, 81



**Tritanopia**  
224, 119, 127

# Trichromacy



**Original Color**  
221, 140, 85

**Protanomaly**  
174, 185, 91

**Deuteranomaly**  
197, 184, 82

**Tritanomaly**  
223, 122, 112

# Monochromacy



**Original Color**  
221, 140, 85

**Achromatopsia**  
149, 149, 149

**Achromatomaly**  
175, 146, 126

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 221, 140, 85 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(221, 124, 85)` looks like.

```
.text, #text, p{  
    color:rgb(221, 124, 85)  
}
```

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(221, 124, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 124, 85) }
```

## Border

The CSS property to change the border of an element to RYB 221, 140, 85 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(221, 124, 85) }
```

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

```
.border{ border-color:rgb(221, 124, 85) }
```

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

Here you see how a box with a 4 pixel rgb(221, 124, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 124, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 124, 85);  
box-shadow:4px 4px 4px 4px rgb(221, 124,  
85) }
```

# Background

The CSS property to change the background color of an element to RGB 221, 124, 85 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 124, 85) }
```

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

```
.background{ background-color: rgb(221,  
124, 85) }
```

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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