

Converting Colors

`RYB(223, 164, 100)`

Have a look what the booklet for
RYB(223, 164, 100) contains.

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Color

R_YB(223, 164, 100)

Conversions

Conversions Part 1

Format	Color
Hex	DF8E64
RGB	223, 142, 100
RGB Percent	87%, 56%, 39%
CMY	0.1255, 0.4428, 0.6078
CMYK	0.00, 0.36, 0.55, 0.13
HSL	21°, 66%, 63%
HSV	21°, 55%, 87%
XYZ	42.4190, 35.9827, 16.7662
YIQ	161.4310, 61.7580, 4.1100

Conversions

Conversions Part 2

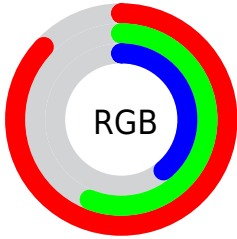
Format	Color
R _Y B	223, 164, 100
Decimal	14650980
CIE Lab	66.51, 26.47, 35.05
CIE LCh	67, 43.925, 52.945
Yxy	35.9827, 0.4457, 0.3781
Android (android.graphics.Color)	4292841060 (0xFFDF8E64)
YUV	161.4310, -30.2855, 53.9960
Hunter-Lab	59.9856, 21.2520, 25.4181

Details

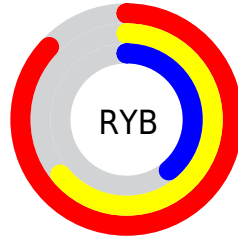
The RYB color **223, 164, 100** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **100, 149, 223**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **255, 229, 152**, and **164, 112, 52** is the 20% darker color. If you saturate the color by 10%, you get **223, 152, 78**, and if you desaturate by 10%, it is **223, 176, 122**.

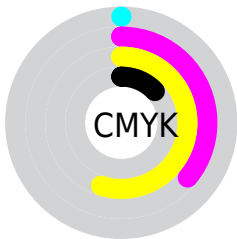
Distribution



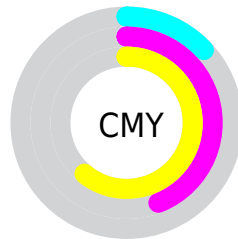
- Red (87%)
- Green (56%)
- Blue (39%)



- Red (87%)
- Yellow (64%)
- Blue (39%)



- Cyan (0%)
- Magenta (36%)
- Yellow (55%)
- Black (13%)



- Cyan (13%)
- Magenta (44%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 223, 164, 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 223, 164, 100 by changing the saturation by 10% instead.

 223, 164, 100

255, 255, 255

 255, 229, 152

 230, 255, 178

 208, 255, 206

 235, 255, 235

 223, 164, 100

 193, 137, 76

 164, 112, 52

 135, 88, 29

 107, 67, 6

 80, 27, 0


 53, 0, 0

 24, 0, 1

 0, 0, 0

 223, 164, 100


 223, 164, 100

 223, 152, 78


 223, 176, 122

 223, 144, 55

 223, 184, 145

 223, 132, 33

 223, 196, 167

 223, 120, 11

 223, 208, 189

 223, 115, 0

 223, 217, 211

 223, 227, 234

 223, 236, 255

 223, 239, 255

Harmonies

Analogous

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



237, 131, 133



223, 164, 100



140, 194, 82

Triad

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



223, 164, 100



40, 120, 182



151, 155, 234

Complementary

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



223, 164, 100



100, 149, 223

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.



75, 135, 240



223, 164, 100



0, 93, 191

Square

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



223, 164, 100



109, 173, 177



0, 99, 224



202, 140, 210

Rectangle

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



223, 164, 100



87, 169, 83



0, 99, 224



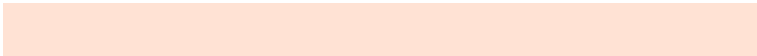
129, 153, 238

Sweetspot

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



223, 164, 100



255, 233, 212



223, 100, 182



128, 116, 102



0, 0, 0



128, 128, 128

Same Dimension

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



223, 164, 100



255, 173, 87



124, 223, 100



112, 107, 101



176, 91, 0



48, 26, 0

Inverse Universe

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



100, 149, 223



87, 153, 255



100, 118, 223



101, 105, 112



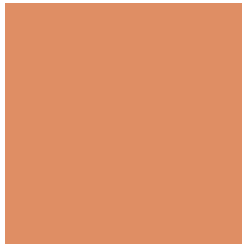
0, 70, 176



0, 19, 48

Previews

White Background



This preview shows how the RYB color 223, 164, 100 looks on a white background.

Color Contrast Check

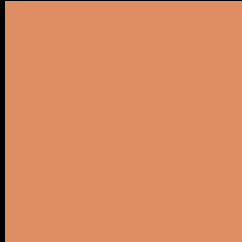
Large Text (above 18pt) WCAG AA × Fail

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 223, 164, 100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

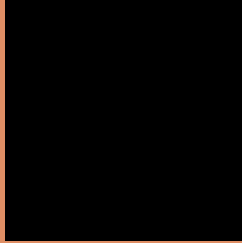
Any Text WCAG AA ✓ Pass

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 223, 164, 100 Background



This preview shows how black text looks on a background with the RYB color 223, 164, 100.



This preview shows how white text looks on a background with the RYB color 223, 164, 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
223, 164, 100

Protanopia
126, 176, 108

Deuteranopia
169, 197, 97



Tritanopia
226, 136, 146

Trichromacy



Original Color
223, 164, 100

Protanomaly
172, 193, 105

Deuteranomaly
206, 198, 98

Tritanomaly
225, 139, 129

Monochromacy



Original Color
223, 164, 100

Achromatopsia
161, 161, 161

Achromatomaly
184, 162, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 223, 164, 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(223, 142, 100)` looks like.

```
.text, #text, p{  
    color:rgb(223, 142, 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(223, 142, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 142, 100) }
```

Border

The CSS property to change the border of an element to RYB 223, 164, 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(223, 142, 100) }
```

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

```
.border{ border-color:rgb(223, 142, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 142, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 142, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 142, 100);  
box-shadow:4px 4px 4px 4px rgb(223, 142,  
100) }
```

Background

The CSS property to change the background color of an element to RGB 223, 142, 100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 142, 100) }
```

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

```
.background{ background-color: rgb(223,  
142, 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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