

Converting Colors

`RYB(220, 192, 112)`

Have a look what the booklet for
RYB(220, 192, 112) contains.

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Color

R_YB(220, 192, 112)

Conversions

Conversions Part 1

Format	Color
Hex	DC9E70
RGB	220, 158, 112
RGB Percent	86%, 62%, 44%
CMY	0.1373, 0.3806, 0.5608
CMYK	0.00, 0.28, 0.49, 0.14
HSL	26°, 61%, 65%
HSV	26°, 49%, 86%
XYZ	44.6594, 40.8247, 20.8554
YIQ	171.2940, 51.7180, -1.1620

Conversions

Conversions Part 2

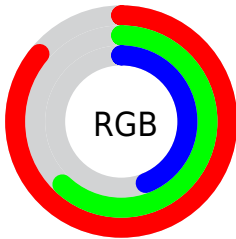
Format	Color
R_{YB}	220, 192, 112
Decimal	14458480
CIE _{Lab}	70.05, 17.79, 33.08
CIE _{LCh}	70, 37.562, 61.723
Yxy	40.8247, 0.4200, 0.3839
Android (android.graphics.Color)	4292648560 (0xFFDC9E70)
YUV	171.2940, -29.2319, 42.7152
Hunter-Lab	63.8942, 12.9493, 25.3734

Details

The RYB color **220, 192, 112** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **112, 151, 220**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **242, 255, 164**, and **162, 139, 63** is the 20% darker color. If you saturate the color by 10%, you get **220, 185, 90**, and if you desaturate by 10%, it is **220, 199, 134**.

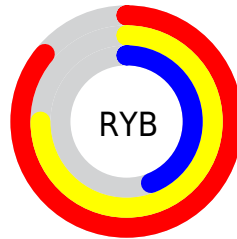
Distribution



Red (86%)

Green (62%)

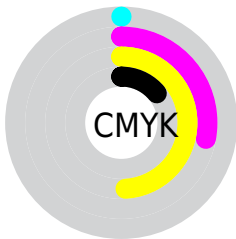
Blue (44%)



Red (86%)

Yellow (75%)

Blue (44%)

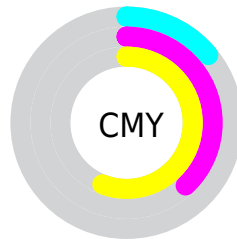


Cyan (0%)

Magenta (28%)

Yellow (49%)

Black (14%)



Cyan (14%)


Magenta (38%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 192, 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 220, 192, 112 by changing the saturation by 10% instead.

 220, 192, 112

255, 255, 255


 242, 255, 164

 210, 255, 192

 220, 255, 220

 248, 255, 248

 220, 192, 112

 191, 166, 87

 162, 139, 63

 134, 116, 40


 107, 96, 17

 81, 68, 0

 54, 23, 0

 32, 0, 1

 0, 0, 0

 220, 192, 112

 220, 192, 112

■ 220, 185, 90

■ 220, 199, 134

■ 220, 182, 68

■ 220, 203, 156

■ 220, 175, 46

■ 220, 210, 178

■ 220, 168, 24

■ 220, 216, 200

■ 220, 164, 2

■ 220, 221, 222

■ 220, 164, 0

■ 220, 229, 244

■ 220, 235, 255

■ 220, 238, 255

Harmonies

Analogous

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



236, 149, 137



220, 192, 112



131, 192, 102

Triad

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



220, 192, 112



69, 134, 189



178, 162, 229

Complementary

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



220, 192, 112



112, 151, 220

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.



125, 159, 239



220, 192, 112



25, 111, 206

Square

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



220, 192, 112



115, 170, 187



65, 134, 230



216, 150, 204

Rectangle

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



220, 192, 112



107, 177, 115



65, 134, 230



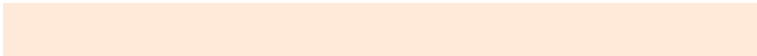
162, 166, 234

Sweetspot

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



220, 192, 112



255, 245, 217



220, 112, 175



128, 120, 105



0, 0, 0



128, 128, 128

Same Dimension

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



220, 192, 112



255, 217, 105



122, 220, 112



110, 105, 99



173, 129, 0



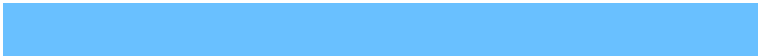
46, 35, 0

Inverse Universe

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



112, 151, 220



105, 160, 255



112, 120, 220



99, 103, 110



0, 63, 173



0, 17, 46

Previews

White Background



This preview shows how the RYB color 220, 192, 112 looks on a white background.

Color Contrast Check

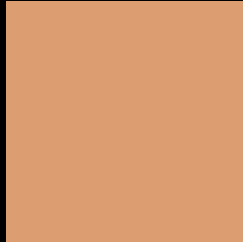
Large Text (above 18pt) WCAG AA × Fail

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 220, 192, 112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

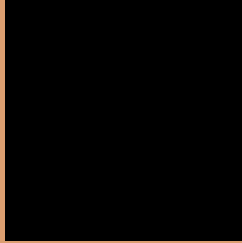
Any Text WCAG AA ✓ Pass

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 220, 192, 112 Background



This preview shows how black text looks on a background with the RYB color 220, 192, 112.

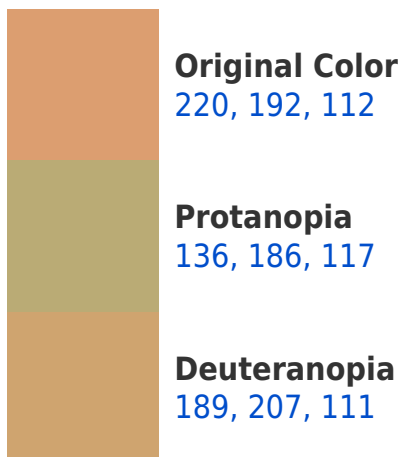



This preview shows how white text looks on a background with the RYB color 220, 192, 112.

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





Tritanopia
224, 151, 163

Trichromacy



Original Color
220, 192, 112

Protanomaly
167, 198, 115

Deuteranomaly
210, 212, 111

Tritanomaly
223, 155, 144

Monochromacy



Original Color
220, 192, 112

Achromatopsia
171, 171, 171

Achromatomaly
189, 177, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 192, 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(220, 158, 112)` looks like.

```
.text, #text, p{  
    color:rgb(220, 158, 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(220, 158, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 158, 112) }
```

Border

The CSS property to change the border of an element to RYB 220, 192, 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(220, 158, 112) }
```

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

```
.border{ border-color:rgb(220, 158, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 158, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 158, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 158, 112);  
box-shadow:4px 4px 4px 4px rgb(220, 158,  
112) }
```

Background

The CSS property to change the background color of an element to RGB 220, 192, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 158, 112) }
```

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

```
.background{ background-color: rgb(220,  
158, 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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