

Converting Colors

`RYB(225, 221, 113)`

Have a look what the booklet for
RYB(225, 221, 113) contains.

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Color

RYB(225, 221, 113)

Conversions

Conversions Part 1

Format	Color
Hex	E1A871
RGB	225, 168, 113
RGB Percent	88%, 66%, 44%
CMY	0.1176, 0.3412, 0.5569
CMYK	0.00, 0.25, 0.50, 0.12
HSL	29°, 65%, 66%
HSV	29°, 50%, 88%
XYZ	48.0312, 45.1984, 21.8154
YIQ	178.7730, 51.6270, -5.0210

Conversions

Conversions Part 2

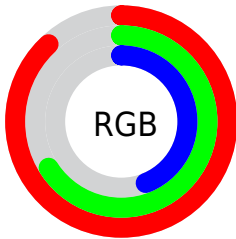
Format	Color
R_{YB}	225, 221, 113
Decimal	14788721
CIE _{Lab}	73.02, 14.54, 36.46
CIE _{LCh}	73, 39.250, 68.254
Yxy	45.1984, 0.4175, 0.3929
Android (android.graphics.Color)	4292978801 (0xFFE1A871)
YUV	178.7730, -32.4261, 40.5411
Hunter-Lab	67.2297, 9.8746, 27.8218

Details

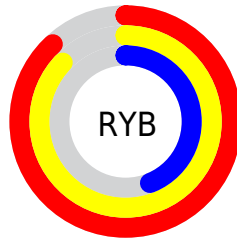
The RYB color **225, 221, 113** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **113, 151, 225**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **216, 255, 166**, and **165, 167, 64** is the 20% darker color. If you saturate the color by 10%, you get **225, 221, 91**, and if you desaturate by 10%, it is **225, 219, 136**.

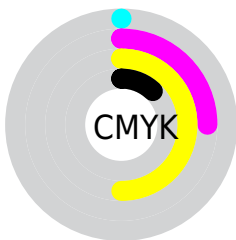
Distribution



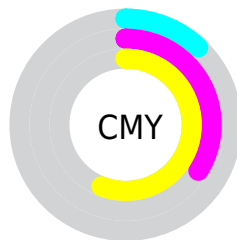
- Red (88%)
- Green (66%)
- Blue (44%)



- Red (88%)
- Yellow (87%)
- Blue (44%)



- Cyan (0%)
- Magenta (25%)
- Yellow (50%)
- Black (12%)



- Cyan (12%)
- Magenta (34%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 225, 221, 113 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 225, 221, 113 by changing the saturation by 10% instead.

 225, 221, 113

255, 255, 255


 216, 255, 166


 196, 255, 193


 221, 255, 221

 250, 255, 250

 225, 221, 113

 196, 196, 88

 165, 167, 64

 133, 139, 40

 96, 111, 17

 76, 85, 0

 58, 41, 0

 35, 0, 0


 0, 0, 0

 225, 221, 113


 225, 221, 113

 225, 221, 91


 225, 219, 136

 225, 219, 68

 225, 223, 158

 225, 219, 46

 225, 223, 180

 225, 217, 23

 225, 225, 203

 225, 217, 1

 225, 225, 225

 225, 215, 0

 225, 233, 248

 225, 238, 255

 225, 240, 255

Harmonies

Analogous

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



245, 162, 136



225, 221, 113



122, 193, 107

Triad

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



225, 221, 113



58, 131, 199



196, 166, 236

Complementary

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



225, 221, 113



113, 151, 225

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.



144, 170, 250



225, 221, 113



20, 115, 223

Square

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



225, 221, 113



110, 168, 196



80, 146, 245



233, 155, 207

Rectangle

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



225, 221, 113



115, 187, 134



80, 146, 245



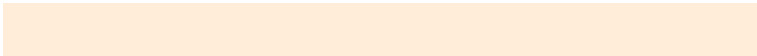
180, 171, 243

Sweetspot

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



225, 221, 113



255, 255, 217



225, 113, 171



128, 126, 105



0, 0, 0



128, 128, 128

Same Dimension

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



225, 221, 113



255, 249, 102



115, 225, 113



112, 110, 101



176, 168, 0



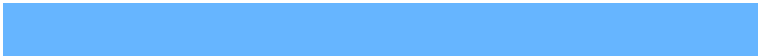
48, 48, 0

Inverse Universe

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



113, 151, 225



102, 154, 255



113, 115, 225



101, 105, 112



0, 60, 176



0, 16, 48

Previews

White Background



This preview shows how the RYB color 225, 221, 113 looks on a white background.

Color Contrast Check

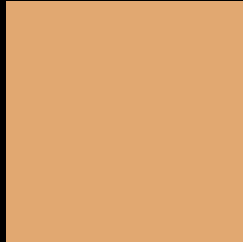
Large Text (above 18pt) WCAG AA × Fail

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 225, 221, 113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

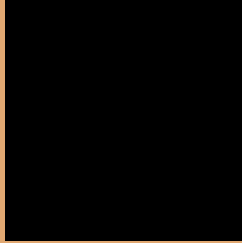
Any Text WCAG AA ✓ Pass

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](#).

R Y B 225, 221, 113 Background



This preview shows how black text looks on a background with the R Y B color 225, 221, 113.



This preview shows how white text looks on a background with the R Y B color 225, 221, 113.

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
225, 221, 113

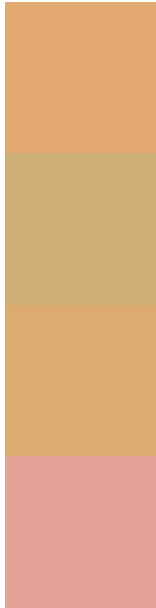
Protanopia
137, 195, 118

Deuteranopia
191, 217, 112



Tritanopia
230, 160, 173

Trichromacy



Original Color
225, 221, 113

Protanomaly
161, 206, 116

Deuteranomaly
202, 220, 112

Tritanomaly
228, 165, 151

Monochromacy



Original Color
225, 221, 113

Achromatopsia
179, 179, 179

Achromatomaly
196, 194, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 225, 221, 113 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(225, 168, 113)` looks like.

```
.text, #text, p{  
    color:rgb(225, 168, 113)  
}
```

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(225, 168, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 168, 113) }
```

Border

The CSS property to change the border of an element to RYB 225, 221, 113 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(225, 168, 113) }
```

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

```
.border{ border-color:rgb(225, 168, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 168, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 168, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 168, 113);  
box-shadow:4px 4px 4px 4px rgb(225, 168,  
113) }
```

Background

The CSS property to change the background color of an element to RYB 225, 221, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 168, 113) }
```

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

```
.background{ background-color: rgb(225,  
168, 113) }
```

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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