

Converting Colors

`RYB(221, 221, 169)`

Have a look what the booklet for
RYB(221, 221, 169) contains.

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Color

R_YB(221, 221, 169)

Conversions

Conversions Part 1

Format	Color
Hex	DDC3A9
RGB	221, 195, 169
RGB Percent	87%, 76%, 66%
CMY	0.1333, 0.2353, 0.3373
CMYK	0.00, 0.12, 0.24, 0.13
HSL	30°, 43%, 76%
HSV	30°, 24%, 87%
XYZ	56.4953, 57.2669, 45.6121
YIQ	199.8100, 23.8420, -2.5740

Conversions

Conversions Part 2

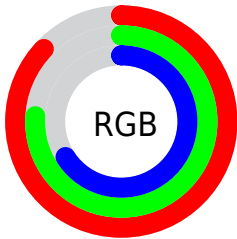
Format	Color
R _Y B	221, 221, 169
Decimal	14533545
CIE Lab	80.33, 5.19, 16.44
CIE LCh	80, 17.236, 72.492
Yxy	57.2669, 0.3545, 0.3593
Android (android.graphics.Color)	4292723625 (0xFFDDC3A9)
YUV	199.8100, -15.1893, 18.5836
Hunter-Lab	75.6749, 0.8286, 17.2361

Details

The RYB color **221, 221, 169** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **169, 186, 221**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **227, 255, 224**, and **165, 165, 117** is the 20% darker color. If you saturate the color by 10%, you get **221, 221, 147**, and if you desaturate by 10%, it is **221, 221, 191**.

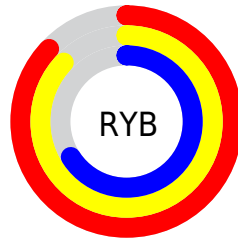
Distribution



Red (87%)

Green (76%)

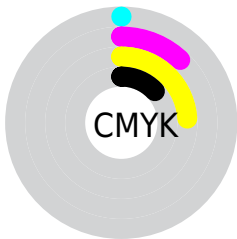
Blue (66%)



Red (87%)

Yellow (87%)

Blue (66%)

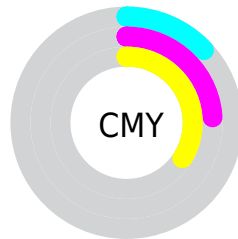


Cyan (0%)

Magenta (12%)

Yellow (24%)

Black (13%)



Cyan (13%)

Magenta (24%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 221, 169 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, 221, 169 by changing the saturation by 10% instead.

 221, 221, 169

255, 255, 255

 227, 255, 224


253, 255, 253

 221, 221, 169

 193, 193, 143

 165, 165, 117

 137, 139, 92

 113, 113, 69

 84, 88, 46

 56, 63, 25


 29, 42, 0


 15, 0, 0

 0, 0, 0

 221, 221, 169

 221, 221, 169

 221, 221, 147


 221, 221, 191


 221, 221, 125

 221, 221, 213


 221, 221, 103

 221, 226, 235

 221, 221, 81

 221, 233, 255


 219, 221, 58

 221, 237, 255

 219, 221, 36

 221, 238, 255

 219, 221, 14

 221, 219, 0

Harmonies

Analogous

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



231, 194, 178



221, 221, 169



174, 205, 168

Triad

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



221, 221, 169



159, 185, 209



211, 193, 223

Complementary

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



221, 221, 169



169, 186, 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.



190, 197, 230



221, 221, 169



159, 186, 220

Square

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



221, 221, 169



170, 195, 208



171, 192, 229



226, 189, 209

Rectangle

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



221, 221, 169



172, 204, 183



171, 192, 229



204, 195, 226

Sweetspot

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



221, 221, 169



255, 255, 237



221, 169, 195



128, 126, 117



0, 0, 0



128, 128, 128

Same Dimension

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



221, 221, 169



255, 253, 184



170, 221, 169



110, 108, 99



171, 173, 0



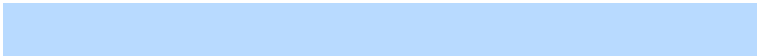
46, 46, 0

Inverse Universe

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



169, 186, 221



184, 207, 255



169, 170, 221



99, 102, 110



0, 58, 173



0, 15, 46

Previews

White Background



This preview shows how the RYB color 221, 221, 169 looks on a white background.

Color Contrast Check

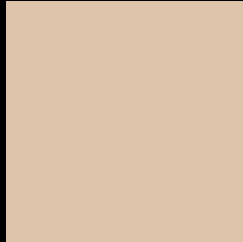
Large Text (above 18pt) WCAG AA × Fail

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, 221, 169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

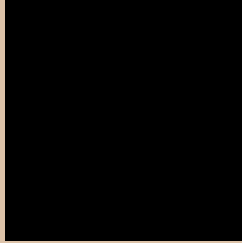
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

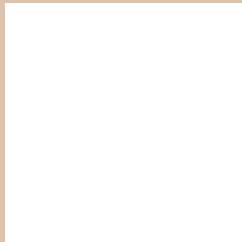
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 221, 221, 169 Background



This preview shows how black text looks on a background with the RYB color 221, 221, 169.



This preview shows how white text looks on a background with the RYB color 221, 221, 169.

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, 221, 169

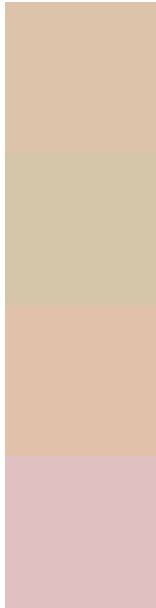
Protanopia
185, 209, 171

Deuteranopia
229, 205, 170



Tritanopia
225, 190, 205

Trichromacy



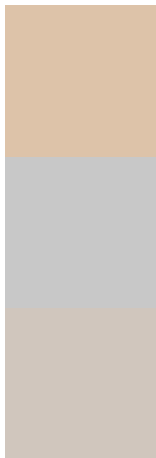
Original Color
221, 221, 169

Protanomaly
193, 213, 170

Deuteranomaly
226, 209, 170

Tritanomaly
224, 192, 192

Monochromacy



Original Color
221, 221, 169

Achromatopsia
200, 200, 200

Achromatomaly
208, 206, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 221, 169 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, 195, 169)` looks like.

```
.text, #text, p{  
    color:rgb(221, 195, 169)  
}
```

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, 195, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 195, 169) }
```

Border

The CSS property to change the border of an element to RYB 221, 221, 169 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, 195, 169) }
```

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

```
.border{ border-color:rgb(221, 195, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 195, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 195, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 195, 169);  
box-shadow:4px 4px 4px 4px rgb(221, 195,  
169) }
```

Background

The CSS property to change the background color of an element to RYB 221, 221, 169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 195, 169) }
```

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

```
.background{ background-color: rgb(221,  
195, 169) }
```

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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