

Converting Colors

`RYB(196, 219, 170)`

Have a look what the booklet for
RYB(196, 219, 170) contains.

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Color

R_YB(196, 219, 170)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | DBCAAA |
| RGB | 219, 202, 170 |
| RGB Percent | 86%, 79%, 67% |
| CMY | 0.1412, 0.2078, 0.3333 |
| CMYK | 0.00, 0.08, 0.22, 0.14 |
| HSL | 39°, 40%, 76% |
| HSV | 39°, 22%, 86% |
| XYZ | 57.5928, 60.2097, 46.6164 |
| YIQ | 203.4350, 20.4040, -6.3480 |

Conversions

Conversions Part 2

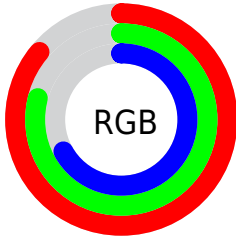
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 196, 219, 170 |
| Decimal | 14404266 |
| CIELab | 81.95, 0.90, 18.14 |
| CIELCh | 82, 18.167, 87.172 |
| Yxy | 60.2097, 0.3503, 0.3662 |
| Android (android.graphics.Color) | 4292594346 (0xFFDBCAAA) |
| YUV | 203.4350, -16.4835, 13.6505 |
| Hunter-Lab | 77.5949, -3.3041, 18.6970 |

Details

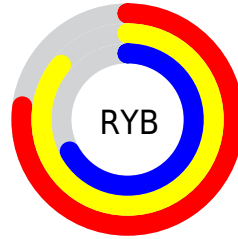
The RYB color **196, 219, 170** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **170, 183, 219**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **225, 255, 225**, and **143, 164, 118** is the 20% darker color. If you saturate the color by 10%, you get **187, 219, 148**, and if you desaturate by 10%, it is **206, 219, 192**.

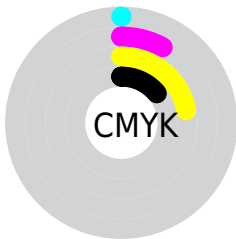
Distribution



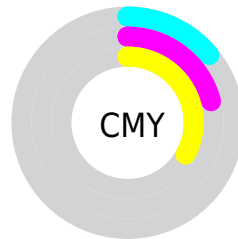
- Red (86%)
- Green (79%)
- Blue (67%)



- Red (77%)
- Yellow (86%)
- Blue (67%)



- Cyan (0%)
- Magenta (8%)
- Yellow (22%)
- Black (14%)



- Cyan (14%)
- Magenta (21%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 219, 170 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 196, 219, 170 by changing the saturation by 10% instead.


 196, 219, 170

255, 255, 255

 225, 255, 225

254, 255, 254

 196, 219, 170


 167, 191, 143

 143, 164, 118

 116, 137, 93

 88, 111, 69

 64, 86, 47

 41, 62, 25

 15, 41, 0

 13, 11, 0

 0, 0, 0

196, 219, 170

196, 219, 170

187, 219, 148

206, 219, 192

175, 219, 126

217, 219, 214

165, 219, 104

219, 223, 236

154, 219, 82

219, 229, 255

145, 219, 61

219, 232, 255

136, 219, 39

219, 235, 255

124, 219, 17

219, 237, 255

116, 219, 0

Harmonies

Analogous

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



233, 209, 176



196, 219, 170



173, 207, 180

Triad

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



196, 219, 170



159, 187, 219



225, 195, 222

Complementary

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



196, 219, 170



170, 183, 219

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.



205, 200, 234



196, 219, 170



165, 192, 232

Square

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



196, 219, 170



165, 193, 214



183, 199, 237



237, 192, 206

Rectangle

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



196, 219, 170



180, 210, 203



183, 199, 237



219, 196, 227

Sweetspot

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



196, 219, 170



246, 255, 237



219, 170, 187



123, 128, 117



0, 0, 0



128, 128, 128

Same Dimension

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



196, 219, 170



223, 255, 186



170, 219, 177



105, 110, 99



92, 173, 0



25, 46, 0

Inverse Universe

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



170, 183, 219



186, 204, 255



177, 170, 219



99, 101, 110



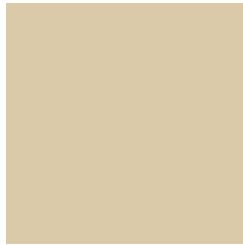
0, 45, 173



0, 12, 46

Previews

White Background



This preview shows how the RYB color 196, 219, 170 looks on a white background.

Color Contrast Check

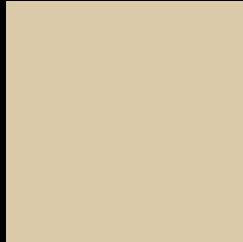
Large Text (above 18pt) WCAG AA × Fail

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 196, 219, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

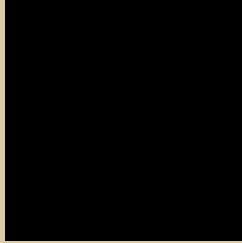
Any Text WCAG AA ✓ Pass

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 196, 219, 170 Background



This preview shows how black text looks on a background with the RYB color 196, 219, 170.



This preview shows how white text looks on a background with the RYB color 196, 219, 170.

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
196, 219, 170

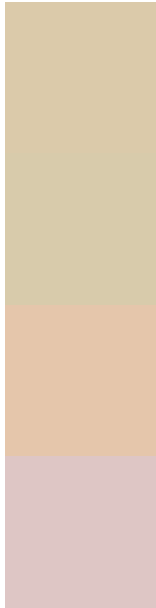
Protanopia
188, 215, 171

Deuteranopia
235, 212, 171



Tritanopia
224, 196, 212

Trichromacy



Original Color

196, 219, 170

Protanomaly

189, 216, 171

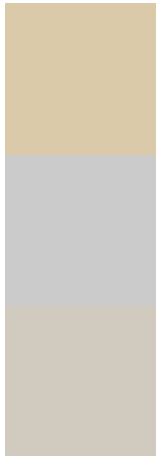
Deuteranomaly

229, 222, 171

Tritanomaly

222, 198, 197

Monochromacy



Original Color

196, 219, 170

Achromatopsia

203, 203, 203

Achromatomaly

200, 209, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 219, 170 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(219, 202, 170)` looks like.

```
.text, #text, p{  
    color:rgb(219, 202, 170)  
}
```

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(219, 202, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 202, 170) }
```

Border

The CSS property to change the border of an element to RYB 196, 219, 170 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(219, 202, 170) }
```

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

```
.border{ border-color:rgb(219, 202, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 202, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 202, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 202, 170);  
box-shadow:4px 4px 4px 4px rgb(219, 202,  
170) }
```

Background

The CSS property to change the background color of an element to RYB 196, 219, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 202, 170) }
```

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

```
.background{ background-color: rgb(219,  
202, 170) }
```

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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