

Converting Colors

`RYB(172, 220, 145)`

Have a look what the booklet for
RYB(172, 220, 145) contains.

RYB(172, 220, 145)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(172, 220, 145)`

Conversions

Conversions Part 1

Format	Color
Hex	DCC891
RGB	220, 200, 145
RGB Percent	86%, 78%, 57%
CMY	0.1373, 0.2151, 0.4314
CMYK	0.00, 0.09, 0.34, 0.14
HSL	44°, 52%, 72%
HSV	44°, 34%, 86%
XYZ	55.3144, 58.6367, 35.1907
YIQ	199.7100, 29.5750, -12.8650

Conversions

Conversions Part 2

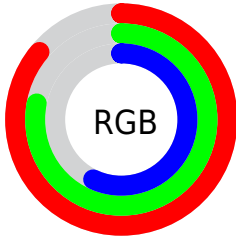
Format	Color
RYB	172, 220, 145
Decimal	14469265
CIELab	81.09, -1.05, 30.15
CIELCh	81, 30.165, 91.993
Yxy	58.6367, 0.3709, 0.3932
Android (android.graphics.Color)	4292659345 (0xFFDCC891)
YUV	199.7100, -26.9720, 17.7943
Hunter-Lab	76.5746, -5.0644, 26.3548

Details

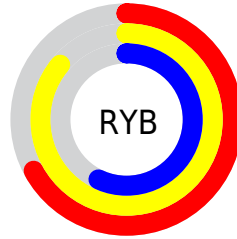
The RYB color **172, 220, 145** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **145, 161, 220**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **199, 255, 199**, and **118, 164, 94** is the 20% darker color. If you saturate the color by 10%, you get **159, 220, 123**, and if you desaturate by 10%, it is **186, 220, 167**.

Distribution



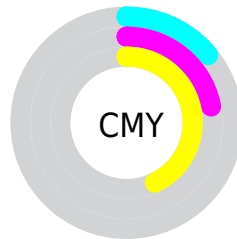
- Red (86%)
- Green (78%)
- Blue (57%)



- Red (67%)
- Yellow (86%)
- Blue (57%)



- Cyan (0%)
- Magenta (9%)
- Yellow (34%)
- Black (14%)



- Cyan (14%)
- Magenta (22%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 220, 145 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 172, 220, 145 by changing the saturation by 10% instead.

 172, 220, 145

255, 255, 255


 199, 255, 199

 227, 255, 227


 172, 220, 145

 145, 192, 119

 118, 164, 94

 91, 137, 70

 66, 111, 46

 41, 85, 24

 13, 61, 0

 10, 37, 0

 0, 5, 2

 0, 0, 0

 172, 220, 145

 172, 220, 145

 159, 220, 123


 186, 220, 167

 143, 220, 101


 200, 220, 189

 129, 220, 79

 214, 220, 211

 115, 220, 57

 220, 222, 233

 102, 220, 35

 220, 227, 255

 88, 220, 13

 220, 231, 255

 79, 220, 0

 220, 233, 255

 220, 235, 255

 220, 237, 255

Harmonies

Analogous

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



244, 220, 152



172, 220, 145



153, 209, 172

Triad

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



172, 220, 145



116, 169, 230



239, 185, 228

Complementary

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



172, 220, 145



145, 161, 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.



208, 193, 249



172, 220, 145



132, 179, 250

Square

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



172, 220, 145



128, 177, 217



169, 193, 255



255, 181, 201

Rectangle

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



172, 220, 145



166, 213, 211



169, 193, 255



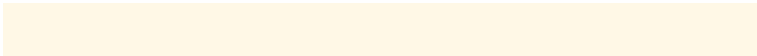
230, 187, 236

Sweetspot

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



172, 220, 145



240, 255, 230



220, 145, 165



119, 128, 112



0, 0, 0



128, 128, 128

Same Dimension

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



172, 220, 145



188, 255, 150



145, 220, 162



103, 110, 99



61, 173, 0



16, 46, 0

Inverse Universe

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



145, 161, 220



150, 172, 255



163, 145, 220



99, 101, 110



0, 36, 173



0, 10, 46

Previews

White Background



This preview shows how the RYB color 172, 220, 145 looks on a white background.

Color Contrast Check

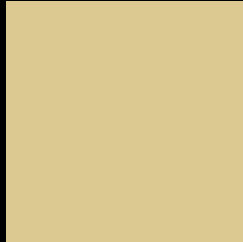
Large Text (above 18pt) WCAG AA × Fail

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 172, 220, 145 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 172, 220, 145 Background



This preview shows how black text looks on a background with the RYB color 172, 220, 145.



This preview shows how white text looks on a background with the RYB color 172, 220, 145.

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
172, 220, 145

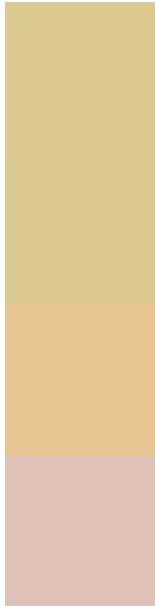
Protanopia
166, 217, 145

Deuteranopia
237, 239, 146



Tritanopia
227, 192, 207

Trichromacy



Original Color

172, 220, 145

Protanomaly

167, 218, 145

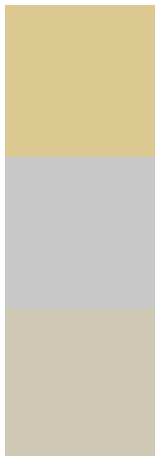
Deuteranomaly

208, 232, 146

Tritanomaly

224, 199, 184

Monochromacy



Original Color

172, 220, 145

Achromatopsia

200, 200, 200

Achromatomaly

189, 207, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 220, 145 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, 200, 145)` looks like.

```
.text, #text, p{  
    color:rgb(220, 200, 145)  
}
```

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, 200, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 200, 145) }
```

Border

The CSS property to change the border of an element to RYB 172, 220, 145 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, 200, 145) }
```

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

```
.border{ border-color:rgb(220, 200, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 200, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 200, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 200, 145);  
box-shadow:4px 4px 4px 4px rgb(220, 200,  
145) }
```

Background

The CSS property to change the background color of an element to RYB 172, 220, 145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 200, 145) }
```

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

```
.background{ background-color: rgb(220,  
200, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor