

Converting Colors

`RYB(164, 218, 172)`

Have a look what the booklet for
RYB(164, 218, 172) contains.

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Color

R_YB(164, 218, 172)

Conversions

Conversions Part 1

Format	Color
Hex	D2DAA4
RGB	210, 218, 164
RGB Percent	82%, 85%, 64%
CMY	0.1765, 0.1451, 0.3569
CMYK	0.04, 0.00, 0.25, 0.15
HSL	69°, 42%, 75%
HSV	69°, 25%, 85%
XYZ	58.3506, 66.5248, 44.8871
YIQ	209.4520, 12.5660, -18.4900

Conversions

Conversions Part 2

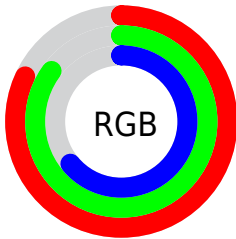
Format	Color
RYB	164, 218, 172
Decimal	13818532
CIELab	85.26, -11.53, 25.74
CIELCh	85, 28.205, 114.127
Yxy	66.5248, 0.3437, 0.3919
Android (android.graphics.Color)	4292008612 (0xFFD2DAA4)
YUV	209.4520, -22.4078, 0.4806
Hunter-Lab	81.5627, -15.0345, 24.4643

Details

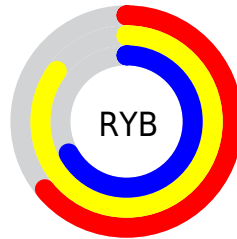
The RYB color **164, 218, 172** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **172, 164, 218**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is **219, 255, 219**, and **112, 163, 120** is the 20% darker color. If you saturate the color by 10%, you get **142, 218, 153**, and if you desaturate by 10%, it is **186, 218, 191**.

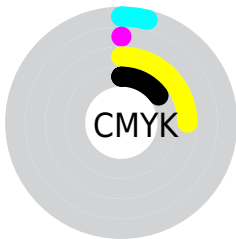
Distribution



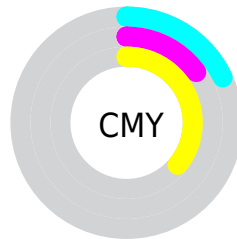
- Red (82%)
- Green (85%)
- Blue (64%)



- Red (64%)
- Yellow (85%)
- Blue (67%)



- Cyan (4%)
- Magenta (0%)
- Yellow (25%)
- Black (15%)



- Cyan (18%)
- Magenta (15%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 218, 172 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 164, 218, 172 by changing the saturation by 10% instead.

 164, 218, 172


255, 255, 255

 219, 255, 219


 248, 255, 248

 164, 218, 172

 138, 190, 146

 112, 163, 120

 87, 137, 95

 63, 112, 72

 40, 87, 49

 18, 64, 27

 0, 42, 8

 0, 22, 22

 0, 0, 0

 164, 218, 172

 164, 218, 172

 142, 218, 153

 186, 218, 191

 120, 218, 134

 208, 218, 210

 99, 218, 117

 220, 218, 229

 77, 218, 98

 223, 218, 251

 55, 218, 79

 226, 218, 255

 33, 218, 60

 229, 218, 255

 11, 218, 42

 233, 218, 255

 0, 218, 32

 236, 218, 255

 239, 218, 255

Harmonies

Analogous

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



206, 238, 160



164, 218, 172



179, 222, 224

Triad

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



164, 218, 172



144, 190, 255



255, 194, 219

Complementary

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



164, 218, 172



172, 164, 218

Split Complementary

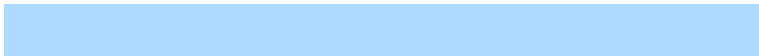
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



242, 199, 245



164, 218, 172



174, 202, 255

Square

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



164, 218, 172



136, 183, 234



210, 208, 255



255, 195, 192

Rectangle

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



164, 218, 172



160, 203, 227



210, 208, 255



255, 195, 228

Sweetspot

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



164, 218, 172



237, 255, 240



218, 172, 164



117, 128, 119



0, 0, 0



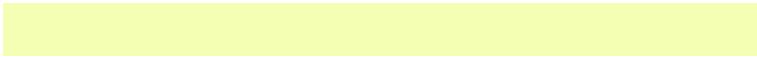
128, 128, 128

Same Dimension

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



164, 218, 172



179, 255, 190



164, 218, 198



99, 110, 101



0, 173, 25



0, 46, 7

Inverse Universe

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



172, 164, 218



190, 179, 255



198, 164, 218



100, 99, 110



26, 0, 173



7, 0, 46

Previews

White Background



This preview shows how the RYB color 164, 218, 172 looks on a white background.

Color Contrast Check

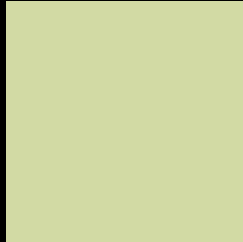
Large Text (above 18pt) WCAG AA × Fail

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 164, 218, 172 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

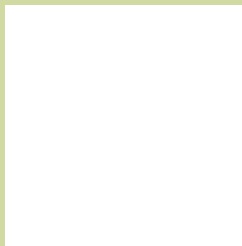
Any Text WCAG AAA ✓ Pass

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

RYB 164, 218, 172 Background



This preview shows how black text looks on a background with the RYB color 164, 218, 172.



This preview shows how white text looks on a background with the RYB color 164, 218, 172.

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
[164, 218, 172](#)

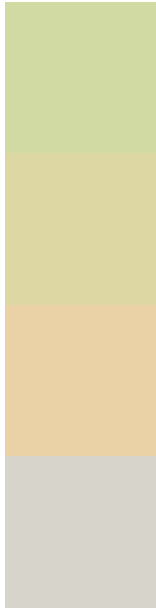
Protanopia
[181, 228, 162](#)

Deuteranopia
[249, 234, 167](#)



Tritanopia
218, 210, 226

Trichromacy



Original Color
164, 218, 172

Protanomaly
170, 221, 163

Deuteranomaly
208, 235, 166

Tritanomaly
205, 215, 203

Monochromacy



Original Color
164, 218, 172

Achromatopsia
209, 209, 209

Achromatomaly
193, 212, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 218, 172 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(210, 218, 164)` looks like.

```
.text, #text, p{  
    color:rgb(210, 218, 164)  
}
```

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(210, 218, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 218, 164) }
```

Border

The CSS property to change the border of an element to RYB 164, 218, 172 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(210, 218, 164) }
```

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

```
.border{ border-color:rgb(210, 218, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 218, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 218, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 218, 164);  
box-shadow:4px 4px 4px 4px rgb(210, 218,  
164) }
```

Background

The CSS property to change the background color of an element to RYB 164, 218, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 218, 164) }
```

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

```
.background{ background-color: rgb(210,  
218, 164) }
```

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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