

Converting Colors

`RYB(164, 217, 152)`

Have a look what the booklet for
RYB(164, 217, 152) contains.

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Color

R_YB(164, 217, 152)

Conversions

Conversions Part 1

Format	Color
Hex	D9CF98
RGB	217, 207, 152
RGB Percent	85%, 81%, 60%
CMY	0.1490, 0.1887, 0.4039
CMYK	0.00, 0.05, 0.30, 0.15
HSL	51°, 46%, 72%
HSV	51°, 30%, 85%
XYZ	56.5641, 61.5815, 38.6109
YIQ	203.7200, 23.6150, -14.9850

Conversions

Conversions Part 2

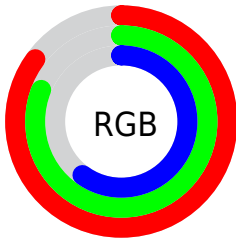
Format	Color
R_{YB}	164, 217, 152
Decimal	14274456
CIE Lab	82.69, -4.82, 28.59
CIE LCh	83, 28.997, 99.568
Yxy	61.5815, 0.3608, 0.3928
Android (android.graphics.Color)	4292464536 (0xFFD9CF98)
YUV	203.7200, -25.4980, 11.6466
Hunter-Lab	78.4739, -8.6660, 25.7597

Details

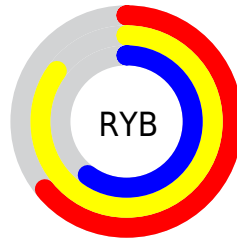
The RYB color **164, 217, 152** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **152, 161, 217**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **207, 255, 207**, and **109, 161, 100** is the 20% darker color. If you saturate the color by 10%, you get **147, 217, 130**, and if you desaturate by 10%, it is **182, 217, 174**.

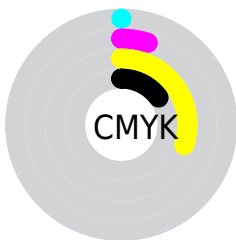
Distribution



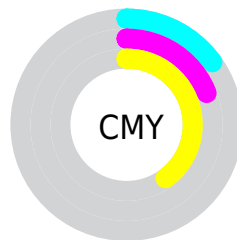
- Red (85%)
- Green (81%)
- Blue (60%)



- Red (64%)
- Yellow (85%)
- Blue (60%)



- Cyan (0%)
- Magenta (5%)
- Yellow (30%)
- Black (15%)



- Cyan (15%)
- Magenta (19%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 217, 152 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, 217, 152 by changing the saturation by 10% instead.

 164, 217, 152

255, 255, 255

 207, 255, 207


 235, 255, 235

 164, 217, 152


 138, 189, 126

 109, 161, 100


 85, 135, 76

 61, 109, 53

 36, 83, 30

 11, 59, 7

 3, 37, 0

 0, 13, 10

 0, 0, 0

 164, 217, 152


 164, 217, 152

 147, 217, 130

 182, 217, 174

 129, 217, 109

 198, 217, 195

 111, 217, 87

 217, 217, 217

 94, 217, 65


 217, 220, 239

 75, 217, 43

 217, 223, 255

 57, 217, 22

 217, 225, 255

 40, 217, 0

 217, 227, 255

 217, 229, 255

 217, 230, 255

Harmonies

Analogous

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



242, 240, 155



164, 217, 152



163, 215, 191

Triad

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



164, 217, 152



127, 178, 240



248, 188, 225

Complementary

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



164, 217, 152



152, 161, 217

Split Complementary

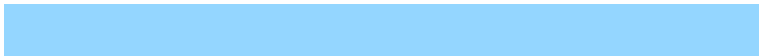
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



221, 196, 248



164, 217, 152



148, 189, 255

Square

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



164, 217, 152



132, 178, 221



185, 201, 255



255, 186, 198

Rectangle

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



164, 217, 152



166, 209, 218



185, 201, 255



241, 190, 234

Sweetspot

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



164, 217, 152



237, 255, 232



217, 152, 163



117, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



164, 217, 152



180, 255, 163



152, 217, 174



101, 110, 99



32, 173, 0



8, 46, 0

Inverse Universe

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



152, 161, 217



163, 176, 255



174, 152, 217



99, 100, 110



0, 23, 173



0, 6, 46

Previews

White Background



This preview shows how the RYB color 164, 217, 152 looks on a white background.

Color Contrast Check

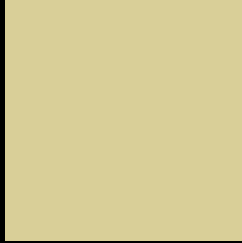
Large Text (above 18pt) WCAG AA × Fail

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, 217, 152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

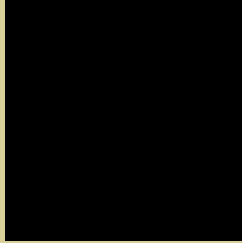
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

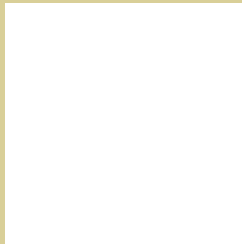
Any Text WCAG AAA ✓ Pass

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

RYB 164, 217, 152 Background



This preview shows how black text looks on a background with the RYB color 164, 217, 152.



This preview shows how white text looks on a background with the RYB color 164, 217, 152.

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, 217, 152

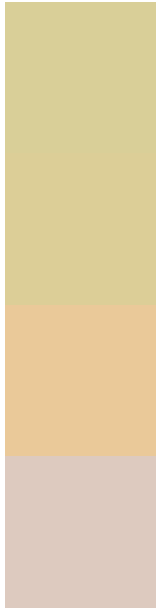
Protanopia
170, 221, 151

Deuteranopia
243, 237, 154



Tritanopia
224, 199, 214

Trichromacy



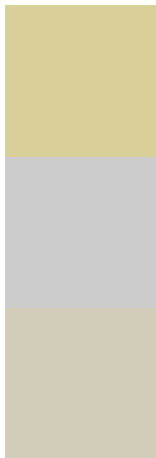
Original Color
164, 217, 152

Protanomaly
169, 220, 151

Deuteranomaly
209, 234, 153

Tritanomaly
221, 208, 191

Monochromacy



Original Color
164, 217, 152

Achromatopsia
204, 204, 204

Achromatomaly
190, 209, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 217, 152 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(217, 207, 152) looks like.

```
.text, #text, p{  
    color:rgb(217, 207, 152)  
}
```

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(217, 207, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 207, 152) }
```

Border

The CSS property to change the border of an element to RYB 164, 217, 152 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(217, 207, 152) }
```

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

```
.border{ border-color:rgb(217, 207, 152) }
```

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

Here you see how a box with a 4 pixel rgb(217, 207, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 207, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 207, 152);  
box-shadow:4px 4px 4px 4px rgb(217, 207,  
152) }
```

Background

The CSS property to change the background color of an element to RYB 164, 217, 152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 207, 152) }
```

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

```
.background{ background-color: rgb(217,  
207, 152) }
```

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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