

Converting Colors

`RYB(164, 216, 157)`

Have a look what the booklet for
RYB(164, 216, 157) contains.

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Color

R_YB(164, 216, 157)

Conversions

Conversions Part 1

Format	Color
Hex	D8D29D
RGB	216, 210, 157
RGB Percent	85%, 82%, 62%
CMY	0.1529, 0.1775, 0.3843
CMYK	0.00, 0.03, 0.27, 0.15
HSL	54°, 43%, 73%
HSV	54°, 27%, 85%
XYZ	57.3878, 62.9993, 41.0337
YIQ	205.7520, 20.5890, -15.2110

Conversions

Conversions Part 2

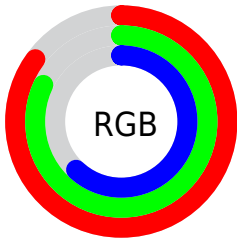
Format	Color
RYB	164, 216, 157
Decimal	14209693
CIELab	83.44, -6.03, 26.99
CIELCh	83, 27.654, 102.592
Yxy	62.9993, 0.3555, 0.3903
Android (android.graphics.Color)	4292399773 (0xFFD8D29D)
YUV	205.7520, -24.0347, 8.9875
Hunter-Lab	79.3721, -9.8419, 24.9088

Details

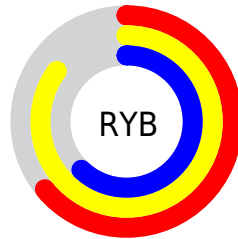
The RYB color **164, 216, 157** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **157, 162, 216**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **212, 255, 212**, and **109, 160, 105** is the 20% darker color. If you saturate the color by 10%, you get **145, 216, 135**, and if you desaturate by 10%, it is **183, 216, 179**.

Distribution



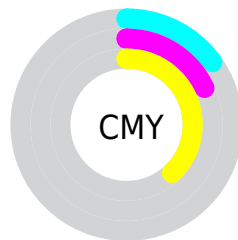
- Red (85%)
- Green (82%)
- Blue (62%)



- Red (64%)
- Yellow (85%)
- Blue (62%)



- Cyan (0%)
- Magenta (3%)
- Yellow (27%)
- Black (15%)



- Cyan (15%)
- Magenta (18%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 216, 157 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, 216, 157 by changing the saturation by 10% instead.


 164, 216, 157


255, 255, 255


 212, 255, 212


 240, 255, 240

 164, 216, 157

 138, 188, 131

 112, 161, 105


 87, 134, 81

 61, 108, 57

 38, 83, 35

 13, 59, 12

 1, 37, 0

 0, 16, 12

 0, 0, 0

 164, 216, 157

 164, 216, 157

 145, 216, 135

 183, 216, 179

 126, 216, 114

 202, 216, 200

 107, 216, 92

 216, 217, 222

 88, 216, 71


 216, 219, 243

 69, 216, 49

 216, 220, 255

 49, 216, 27

 216, 222, 255

 31, 216, 6

 216, 224, 255

 26, 216, 0

 216, 225, 255

 216, 226, 255

Harmonies

Analogous

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



237, 241, 159



164, 216, 157



169, 217, 199

Triad

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



164, 216, 157



135, 182, 242



250, 191, 224

Complementary

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



164, 216, 157



157, 162, 216

Split Complementary

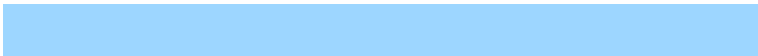
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



226, 198, 246



164, 216, 157



157, 193, 255

Square

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



164, 216, 157



137, 181, 223



192, 204, 255



255, 189, 198

Rectangle

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



164, 216, 157



167, 208, 220



192, 204, 255



244, 193, 232

Sweetspot

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



164, 216, 157



237, 255, 235



216, 157, 164



117, 128, 115



0, 0, 0



128, 128, 128

Same Dimension

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



164, 216, 157



181, 255, 171



157, 216, 180



97, 107, 96



20, 171, 0



4, 43, 0

Inverse Universe

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



157, 162, 216



171, 179, 255



180, 157, 216



96, 98, 107



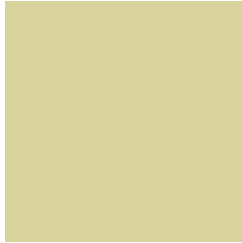
0, 16, 171



0, 4, 43

Previews

White Background



This preview shows how the RYB color 164, 216, 157 looks on a white background.

Color Contrast Check

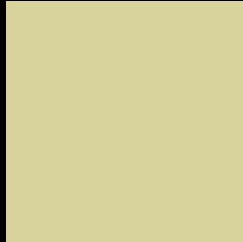
Large Text (above 18pt) WCAG AA × Fail

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, 216, 157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

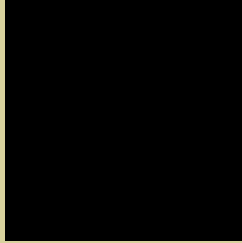
Any Text WCAG AA ✓ Pass

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, 216, 157 Background



This preview shows how black text looks on a background with the RYB color 164, 216, 157.



This preview shows how white text looks on a background with the RYB color 164, 216, 157.

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, 216, 157

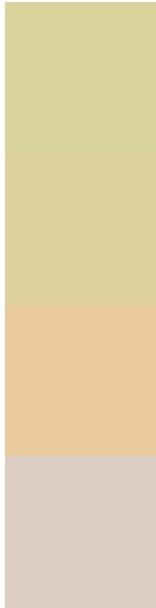
Protanopia
175, 223, 156

Deuteranopia
244, 235, 159



Tritanopia
223, 202, 218

Trichromacy



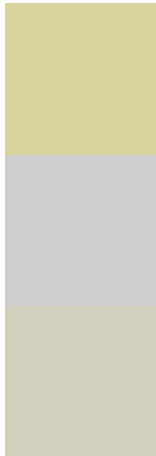
Original Color
164, 216, 157

Protanomaly
169, 220, 156

Deuteranomaly
210, 234, 158

Tritanomaly
220, 210, 196

Monochromacy



Original Color
164, 216, 157

Achromatopsia
206, 206, 206

Achromatomaly
191, 210, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 216, 157 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(216, 210, 157)` looks like.

```
.text, #text, p{  
    color:rgb(216, 210, 157)  
}
```

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(216, 210, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 210, 157) }
```

Border

The CSS property to change the border of an element to RYB 164, 216, 157 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(216, 210, 157) }
```

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

```
.border{ border-color:rgb(216, 210, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 210, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 210, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 210, 157);  
box-shadow:4px 4px 4px 4px rgb(216, 210,  
157) }
```

Background

The CSS property to change the background color of an element to RYB 164, 216, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 210, 157) }
```

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

```
.background{ background-color: rgb(216,  
210, 157) }
```

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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