

Converting Colors

`RYB(191, 220, 157)`

Have a look what the booklet for
RYB(191, 220, 157) contains.

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Color

R_YB(191, 220, 157)

Conversions

Conversions Part 1

Format	Color
Hex	DCC69D
RGB	220, 198, 157
RGB Percent	86%, 78%, 62%
CMY	0.1373, 0.2239, 0.3843
CMYK	0.00, 0.10, 0.29, 0.14
HSL	39°, 47%, 74%
HSV	39°, 29%, 86%
XYZ	55.7762, 58.0004, 40.1538
YIQ	199.9040, 26.2730, -8.0870

Conversions

Conversions Part 2

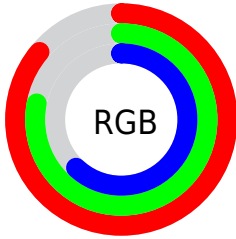
Format	Color
RYB	191, 220, 157
Decimal	14468765
CIELab	80.74, 1.63, 23.37
CIELCh	81, 23.425, 86.013
Yxy	58.0004, 0.3623, 0.3768
Android (android.graphics.Color)	4292658845 (0xFFDCC69D)
YUV	199.9040, -21.1517, 17.6242
Hunter-Lab	76.1580, -2.5476, 22.0504

Details

The RYB color **191, 220, 157** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **157, 173, 220**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **212, 255, 212**, and **135, 164, 105** is the 20% darker color. If you saturate the color by 10%, you get **181, 220, 135**, and if you desaturate by 10%, it is **200, 220, 179**.

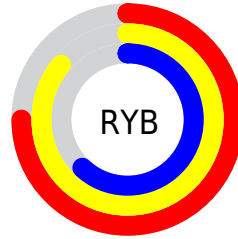
Distribution



Red (86%)

Green (78%)

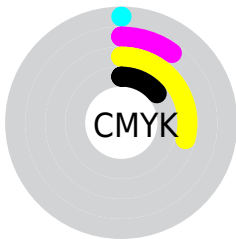
Blue (62%)



Red (75%)

Yellow (86%)

Blue (62%)

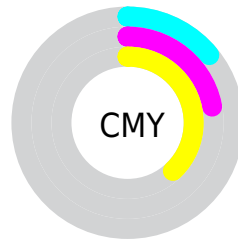


Cyan (0%)

Magenta (10%)

Yellow (29%)

Black (14%)



Cyan (14%)

Magenta (22%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 191, 220, 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 191, 220, 157 by changing the saturation by 10% instead.

 191, 220, 157

255, 255, 255


 212, 255, 212

 240, 255, 240

 191, 220, 157

 163, 192, 131

 135, 164, 105

 108, 137, 81

 83, 111, 58

 58, 86, 35

 34, 62, 14

 17, 39, 0

 8, 1, 0

 0, 0, 0

191, 220, 157

191, 220, 157

181, 220, 135

200, 220, 179

172, 220, 113

212, 220, 201

160, 220, 91

220, 221, 223

151, 220, 69

220, 227, 245

141, 220, 47

220, 231, 255

129, 220, 25

220, 234, 255

120, 220, 3

220, 237, 255

118, 220, 0

220, 238, 255

Harmonies

Analogous

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



238, 205, 165



191, 220, 157



161, 205, 169

Triad

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



191, 220, 157



140, 178, 219



226, 189, 225

Complementary

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



191, 220, 157



157, 173, 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.



200, 196, 240



191, 220, 157



147, 184, 236

Square

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



191, 220, 157



150, 186, 213



171, 193, 244



242, 185, 204

Rectangle

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



191, 220, 157



170, 209, 199



171, 193, 244



218, 191, 231

Sweetspot

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



191, 220, 157



244, 255, 232



220, 157, 180



121, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



191, 220, 157



214, 255, 168



157, 220, 165



105, 110, 99



92, 173, 0



25, 46, 0

Inverse Universe

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



157, 173, 220



168, 191, 255



165, 157, 220



99, 102, 110



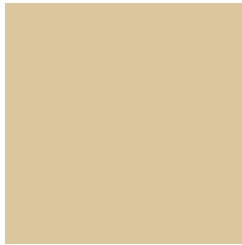
0, 45, 173



0, 12, 46

Previews

White Background



This preview shows how the RYB color 191, 220, 157 looks on a white background.

Color Contrast Check

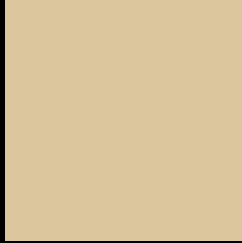
Large Text (above 18pt) WCAG AA × Fail

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 191, 220, 157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

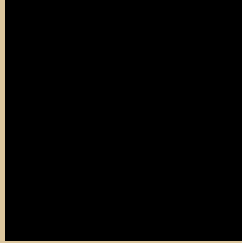
Any Text WCAG AA ✓ Pass

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 191, 220, 157 Background



This preview shows how black text looks on a background with the RYB color 191, 220, 157.



This preview shows how white text looks on a background with the RYB color 191, 220, 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
191, 220, 157

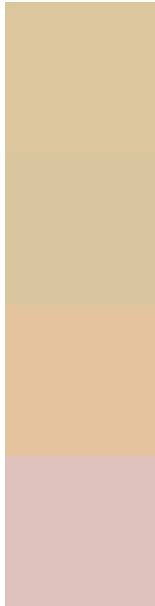
Protanopia
175, 213, 158

Deuteranopia
234, 220, 158



Tritanopia
226, 191, 206

Trichromacy



Original Color

191, 220, 157

Protanomaly

182, 216, 158

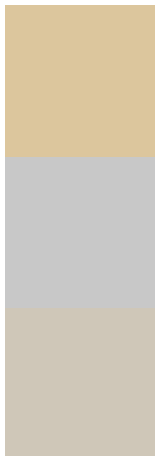
Deuteranomaly

227, 229, 158

Tritanomaly

224, 195, 188

Monochromacy



Original Color

191, 220, 157

Achromatopsia

200, 200, 200

Achromatomaly

196, 207, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 191, 220, 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(220, 198, 157)` looks like.

```
.text, #text, p{  
    color:rgb(220, 198, 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(220, 198, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 198, 157) }
```

Border

The CSS property to change the border of an element to RYB 191, 220, 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(220, 198, 157) }
```

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

```
.border{ border-color:rgb(220, 198, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 198, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 198, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 198, 157);  
box-shadow:4px 4px 4px 4px rgb(220, 198,  
157) }
```

Background

The CSS property to change the background color of an element to RYB 191, 220, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 198, 157) }
```

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

```
.background{ background-color: rgb(220,  
198, 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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