

Converting Colors

`RYB(172, 216, 160)`

Have a look what the booklet for
RYB(172, 216, 160) contains.

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Color

R_YB(172, 216, 160)

Conversions

Conversions Part 1

Format	Color
Hex	D8CEA0
RGB	216, 206, 160
RGB Percent	85%, 81%, 63%
CMY	0.1529, 0.1917, 0.3725
CMYK	0.00, 0.05, 0.26, 0.15
HSL	49°, 42%, 74%
HSV	49°, 26%, 85%
XYZ	56.7637, 61.3363, 42.1050
YIQ	203.7460, 20.7260, -12.1860

Conversions

Conversions Part 2

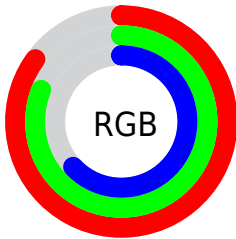
Format	Color
RYB	172, 216, 160
Decimal	14208672
CIELab	82.56, -3.76, 24.22
CIELCh	83, 24.510, 98.826
Yxy	61.3363, 0.3543, 0.3829
Android (android.graphics.Color)	4292398752 (0xFFD8CEA0)
YUV	203.7460, -21.5668, 10.7468
Hunter-Lab	78.3175, -7.6806, 22.9468

Details

The RYB color **172, 216, 160** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **160, 168, 216**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **215, 255, 215**, and **119, 161, 108** is the 20% darker color. If you saturate the color by 10%, you get **155, 216, 138**, and if you desaturate by 10%, it is **189, 216, 182**.

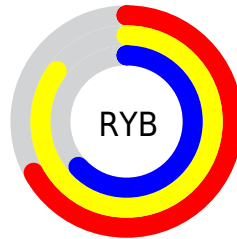
Distribution



Red (85%)

Green (81%)

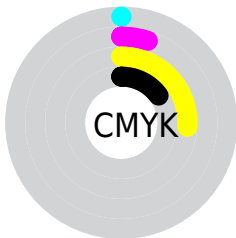
Blue (63%)



Red (67%)

Yellow (85%)

Blue (63%)

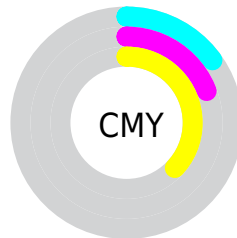


Cyan (0%)

Magenta (5%)

Yellow (26%)

Black (15%)



Cyan (15%)

Magenta (19%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 216, 160 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, 216, 160 by changing the saturation by 10% instead.


 172, 216, 160


255, 255, 255


 215, 255, 215

 243, 255, 243

 172, 216, 160


 145, 188, 134

 119, 161, 108

 94, 134, 84

 68, 108, 60

 45, 83, 38

 20, 59, 16

 6, 38, 0

 0, 12, 7

 0, 0, 0

 172, 216, 160


 172, 216, 160

 155, 216, 138


 189, 216, 182

 139, 216, 117

 205, 216, 203

 120, 216, 95

 216, 218, 225

 104, 216, 74

 216, 220, 246

 87, 216, 52


 216, 223, 255

 70, 216, 30

 216, 226, 255

 54, 216, 9

 216, 228, 255

 46, 216, 0

 216, 230, 255

 216, 231, 255

Harmonies

Analogous

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



238, 229, 163



172, 216, 160



169, 213, 192

Triad

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



172, 216, 160



142, 183, 233



241, 191, 223

Complementary

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



172, 216, 160



160, 168, 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.



218, 197, 241



172, 216, 160



159, 192, 248

Square

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



172, 216, 160



146, 184, 219



188, 201, 251



252, 189, 199

Rectangle

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



172, 216, 160



173, 209, 216



188, 201, 251



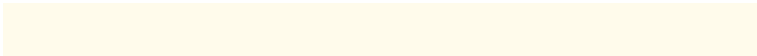
235, 193, 230

Sweetspot

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



172, 216, 160



240, 255, 235



216, 160, 170



119, 128, 115



0, 0, 0



128, 128, 128

Same Dimension

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



172, 216, 160



193, 255, 176



160, 216, 178



98, 107, 96



36, 171, 0



8, 43, 0

Inverse Universe

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



160, 168, 216



176, 188, 255



178, 160, 216



96, 98, 107



0, 26, 171



0, 7, 43

Previews

White Background



This preview shows how the RYB color 172, 216, 160 looks on a white background.

Color Contrast Check

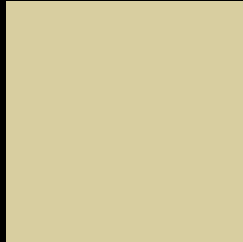
Large Text (above 18pt) WCAG AA × Fail

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, 216, 160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

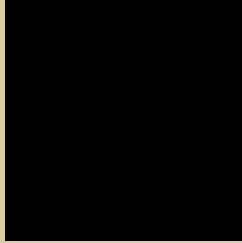
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

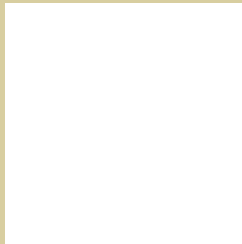
Any Text WCAG AAA ✓ Pass

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

RYB 172, 216, 160 Background



This preview shows how black text looks on a background with the RYB color 172, 216, 160.



This preview shows how white text looks on a background with the RYB color 172, 216, 160.

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, 216, 160

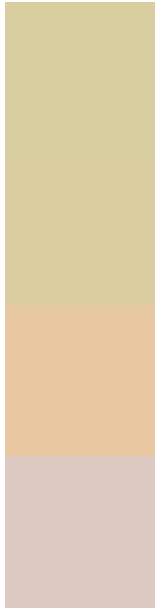
Protanopia
178, 219, 160

Deuteranopia
240, 225, 162



Tritanopia
223, 199, 214

Trichromacy



Original Color

172, 216, 160

Protanomaly

177, 218, 160

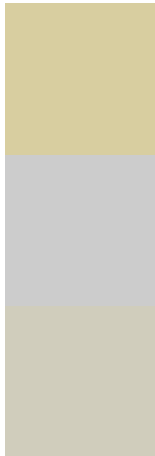
Deuteranomaly

217, 231, 161

Tritanomaly

220, 206, 194

Monochromacy



Original Color

172, 216, 160

Achromatopsia

204, 204, 204

Achromatomaly

192, 208, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 216, 160 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, 206, 160)` looks like.

```
.text, #text, p{  
    color:rgb(216, 206, 160)  
}
```

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, 206, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 206, 160) }
```

Border

The CSS property to change the border of an element to RYB 172, 216, 160 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, 206, 160) }
```

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

```
.border{ border-color:rgb(216, 206, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 206, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 206, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 206, 160);  
box-shadow:4px 4px 4px 4px rgb(216, 206,  
160) }
```

Background

The CSS property to change the background color of an element to RYB 172, 216, 160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 206, 160) }
```

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

```
.background{ background-color: rgb(216,  
206, 160) }
```

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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