

Converting Colors

`RYB(236, 212, 216)`

Have a look what the booklet for
RYB(236, 212, 216) contains.

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Color

R_YB(236, 212, 216)

Conversions

Conversions Part 1

Format	Color
Hex	ECD4D8
RGB	236, 212, 216
RGB Percent	93%, 83%, 85%
CMY	0.0745, 0.1686, 0.1529
CMYK	0.00, 0.10, 0.08, 0.07
HSL	350°, 39%, 88%
HSV	350°, 10%, 93%
XYZ	70.5302, 69.8777, 74.7361
YIQ	219.6320, 13.0200, 6.3320

Conversions

Conversions Part 2

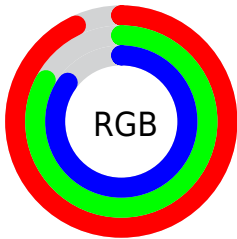
Format	Color
R_{YB}	236, 212, 216
Decimal	15520984
CIE Lab	86.94, 8.98, 1.05
CIE LCh	87, 9.039, 6.703
Yxy	69.8777, 0.3278, 0.3248
Android (android.graphics.Color)	4293711064 (0xFFECD4D8)
YUV	219.6320, -1.7906, 14.3547
Hunter-Lab	83.5929, 4.3191, 5.5068

Details

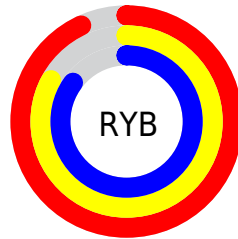
The RYB color **236, 212, 216** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **212, 225, 236**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is 255, 255, 255, and **180, 157, 161** is the 20% darker color. If you saturate the color by 10%, you get **236, 188, 196**, and if you desaturate by 10%, it is **236, 236, 236**.

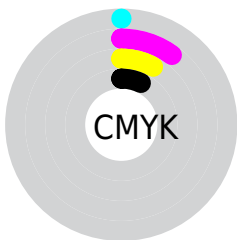
Distribution



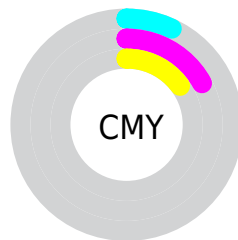
- Red (93%)
- Green (83%)
- Blue (85%)



- Red (93%)
- Yellow (83%)
- Blue (85%)



- Cyan (0%)
- Magenta (10%)
- Yellow (8%)
- Black (7%)



- Cyan (7%)
- Magenta (17%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 236, 212, 216 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 236, 212, 216 by changing the saturation by 10% instead.

 236, 212, 216

255, 255, 255

 236, 212, 216


 208, 184, 188


 180, 157, 161


 153, 131, 135

 127, 106, 110

 102, 82, 85

 78, 59, 62


 55, 37, 40

 33, 17, 20


 0, 0, 0

 236, 212, 216

 236, 212, 216


 236, 188, 196

 236, 236, 236

 236, 165, 177

 236, 246, 255

 236, 141, 157

 236, 118, 137

 236, 94, 118

 236, 70, 98

 236, 47, 78

 236, 23, 59

 236, 0, 39

Harmonies

Analogous

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



231, 213, 225



236, 212, 216



236, 214, 208

Triad

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



236, 212, 216



204, 220, 211



202, 213, 233

Complementary

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



236, 212, 216



212, 225, 236

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.



197, 211, 228



236, 212, 216



204, 217, 222

Square

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



236, 212, 216



207, 223, 201



198, 212, 223



211, 216, 235

Rectangle

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



236, 212, 216



233, 219, 204



198, 212, 223



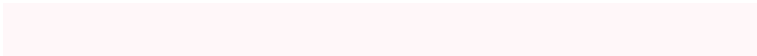
200, 213, 232

Sweetspot

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



236, 212, 216



255, 247, 249



232, 212, 236



128, 122, 123



0, 0, 0



128, 128, 128

Same Dimension

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



236, 212, 216



255, 224, 229



236, 224, 212



117, 106, 108



181, 0, 30



54, 0, 9

Inverse Universe

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



236, 212, 216



255, 224, 229



212, 222, 236



117, 106, 108



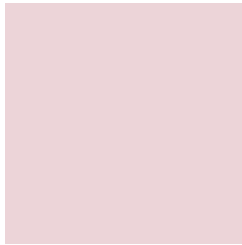
181, 0, 30



54, 0, 9

Previews

White Background



This preview shows how the RYB color 236, 212, 216 looks on a white background.

Color Contrast Check

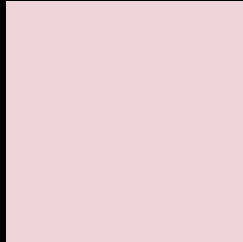
Large Text (above 18pt) WCAG AA × Fail

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 236, 212, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

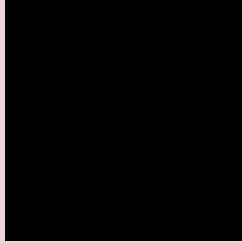
Any Text WCAG AA ✓ Pass

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 236, 212, 216 Background



This preview shows how black text looks on a background with the RYB color 236, 212, 216.

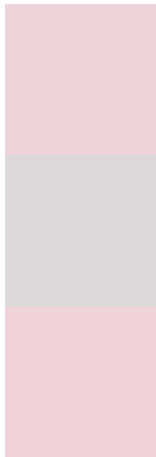


This preview shows how white text looks on a background with the RYB color 236, 212, 216.

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
236, 212, 216

Protanopia
221, 217, 219

Deuteranopia
239, 211, 216



Tritanopia
237, 210, 227

Trichromacy



Original Color

236, 212, 216

Protanomaly

226, 215, 218

Deuteranomaly

238, 211, 216

Tritanomaly

237, 211, 223

Monochromacy



Original Color

236, 212, 216

Achromatopsia

220, 220, 220

Achromatomaly

226, 217, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 236, 212, 216 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(236, 212, 216) looks like.

```
.text, #text, p{  
    color:rgb(236, 212, 216)  
}
```

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(236, 212, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 212, 216) }
```

Border

The CSS property to change the border of an element to RYB 236, 212, 216 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(236, 212, 216) }
```

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

```
.border{ border-color:rgb(236, 212, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 212, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 212, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 212, 216);  
box-shadow:4px 4px 4px 4px rgb(236, 212,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 236, 212, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 212, 216) }
```

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

```
.background{ background-color: rgb(236,  
212, 216) }
```

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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