

Converting Colors

`RYB(232, 236, 118)`

Have a look what the booklet for
RYB(232, 236, 118) contains.

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Color

R_YB(232, 236, 118)

Conversions

Conversions Part 1

Format	Color
Hex	ECB276
RGB	236, 178, 118
RGB Percent	93%, 70%, 46%
CMY	0.0745, 0.3019, 0.5373
CMYK	0.00, 0.25, 0.50, 0.07
HSL	31°, 76%, 69%
HSV	31°, 50%, 93%
XYZ	53.7859, 50.9885, 24.1465
YIQ	188.5020, 53.8280, -6.3640

Conversions

Conversions Part 2

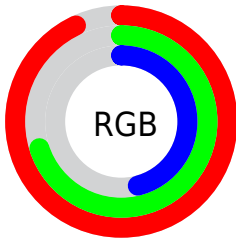
Format	Color
R _Y B	232, 236, 118
Decimal	15512182
CIE Lab	76.67, 14.12, 38.72
CIE LCh	77, 41.215, 69.966
Yxy	50.9885, 0.4172, 0.3955
Android (android.graphics.Color)	4293702262 (0xFFECB276)
YUV	188.5020, -34.7575, 41.6557
Hunter-Lab	71.4062, 9.4921, 29.9351

Details

The RYB color **232, 236, 118** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **118, 157, 236**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **199, 255, 171**, and **170, 178, 68** is the 20% darker color. If you saturate the color by 10%, you get **232, 236, 94**, and if you desaturate by 10%, it is **232, 236, 142**.

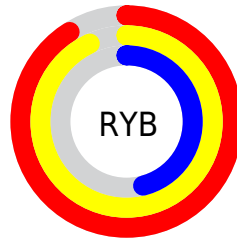
Distribution



Red (93%)

Green (70%)

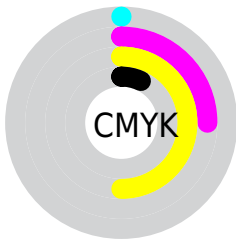
Blue (46%)



Red (91%)

Yellow (93%)

Blue (46%)

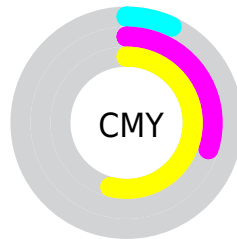


Cyan (0%)

Magenta (25%)

Yellow (50%)

Black (7%)



Cyan (7%)

Magenta (30%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 232, 236, 118 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 232, 236, 118 by changing the saturation by 10% instead.

 232, 236, 118


255, 255, 255


 199, 255, 171


 199, 255, 199


 227, 255, 227

 232, 236, 118

 200, 206, 93

 170, 178, 68

 136, 149, 44

 101, 121, 20

 70, 94, 0


 68, 60, 0

 42, 17, 0


 0, 0, 0

 232, 236, 118


 232, 236, 118

 232, 236, 94


 232, 236, 142

 230, 236, 71

 234, 236, 165

 230, 236, 47

 234, 236, 189

 228, 236, 24

 236, 236, 212

 228, 236, 0

 236, 236, 236

 236, 243, 255

 236, 246, 255

Harmonies

Analogous

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



255, 172, 142



232, 236, 118



126, 202, 113

Triad

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



232, 236, 118



56, 135, 210



210, 175, 248

Complementary

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



232, 236, 118



118, 157, 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.



155, 180, 255



232, 236, 118



14, 117, 237

Square

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



232, 236, 118



112, 175, 208



87, 155, 255



247, 163, 216

Rectangle

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



232, 236, 118



122, 198, 145



87, 155, 255



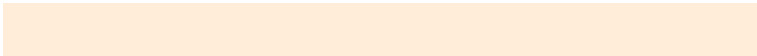
193, 179, 255

Sweetspot

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



232, 236, 118



255, 255, 217



236, 118, 177



128, 126, 105



0, 0, 0



128, 128, 128

Same Dimension

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



232, 236, 118



249, 255, 102



118, 236, 118



115, 117, 106



175, 181, 0



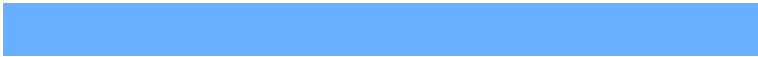
54, 54, 0

Inverse Universe

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



118, 157, 236



102, 152, 255



118, 118, 236



106, 109, 117



0, 60, 181



0, 18, 54

Previews

White Background



This preview shows how the RYB color 232, 236, 118 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 232, 236, 118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

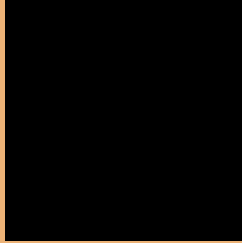
Any Text WCAG AA ✓ Pass

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 232, 236, 118 Background



This preview shows how black text looks on a background with the RYB color 232, 236, 118.



This preview shows how white text looks on a background with the RYB color 232, 236, 118.

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
232, 236, 118

Protanopia
143, 206, 122

Deuteranopia
201, 229, 117



Tritanopia
242, 170, 183

Trichromacy



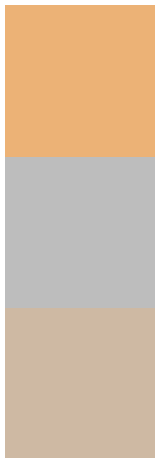
Original Color
232, 236, 118

Protanomaly
169, 217, 121

Deuteranomaly
212, 232, 117

Tritanomaly
240, 176, 159

Monochromacy



Original Color
232, 236, 118

Achromatopsia
189, 189, 189

Achromatomaly
204, 206, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 232, 236, 118 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, 178, 118)` looks like.

```
.text, #text, p{  
    color:rgb(236, 178, 118)  
}
```

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, 178, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 178, 118) }
```

Border

The CSS property to change the border of an element to RYB 232, 236, 118 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, 178, 118) }
```

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

```
.border{ border-color:rgb(236, 178, 118) }
```

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

Here you see how a box with a 4 pixel rgb(236, 178, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 178, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 178, 118);  
box-shadow:4px 4px 4px 4px rgb(236, 178,  
118) }
```

Background

The CSS property to change the background color of an element to RYB 232, 236, 118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 178, 118) }
```

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

```
.background{ background-color: rgb(236,  
178, 118) }
```

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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