

Converting Colors

`RYB(238, 242, 86)`

Have a look what the booklet for
RYB(238, 242, 86) contains.

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Color

`RYB(238, 242, 86)`

Conversions

Conversions Part 1

Format	Color
Hex	F2A556
RGB	242, 165, 86
RGB Percent	95%, 65%, 34%
CMY	0.0510, 0.3529, 0.6627
CMYK	0.00, 0.32, 0.64, 0.05
HSL	30°, 86%, 64%
HSV	30°, 64%, 95%
XYZ	51.7551, 46.4641, 15.0448
YIQ	179.0170, 71.2510, -8.2450

Conversions

Conversions Part 2

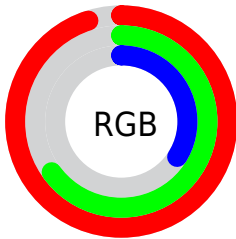
Format	Color
R_{YB}	238, 242, 86
Decimal	15902038
CIE _{Lab}	73.85, 21.03, 51.51
CIE _{LCh}	74, 55.638, 67.791
Yxy	46.4641, 0.4569, 0.4102
Android (android.graphics.Color)	4294092118 (0xFFFF2A556)
YUV	179.0170, -45.8574, 55.2361
Hunter-Lab	68.1646, 16.2413, 34.6292

Details

The RYB color **238, 242, 86** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **86, 138, 242**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **188, 255, 138**, and **165, 182, 35** is the 20% darker color. If you saturate the color by 10%, you get **238, 242, 62**, and if you desaturate by 10%, it is **238, 242, 110**.

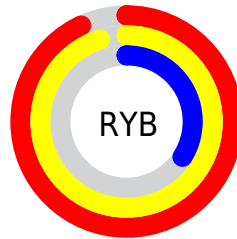
Distribution



Red (95%)

Green (65%)

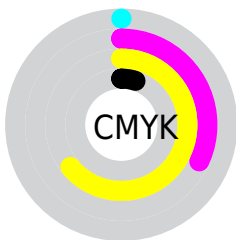
Blue (34%)



Red (93%)

Yellow (95%)

Blue (34%)

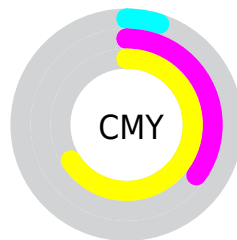


Cyan (0%)

Magenta (32%)

Yellow (64%)

Black (5%)



Cyan (5%)

Magenta (35%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the RYB color 238, 242, 86 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 238, 242, 86 by changing the saturation by 10% instead.



238, 242, 86



238, 242, 86

255, 255, 255



202, 212, 61



188, 255, 138



165, 182, 35



171, 255, 165



115, 152, 3



193, 255, 193



110, 123, 0



221, 255, 221



95, 75, 0



250, 255, 250



67, 31, 0



42, 0, 0




0, 0, 0




238, 242, 86



238, 242, 86

 238, 242, 62

 238, 242, 110

 238, 242, 38

 238, 242, 134

 236, 242, 13

 240, 242, 159

 234, 242, 0

 240, 242, 183

 240, 242, 207

 240, 242, 231

 242, 247, 255

 242, 249, 255

Harmonies

Analogous

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



255, 153, 121



238, 242, 86



93, 198, 76

Triad

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



238, 242, 86



0, 107, 207



203, 163, 255

Complementary

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



238, 242, 86



86, 138, 242

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.



116, 161, 255



238, 242, 86



0, 111, 243

Square

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



238, 242, 86



67, 156, 204



0, 111, 255



255, 144, 221

Rectangle

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



238, 242, 86



87, 193, 117



0, 111, 255



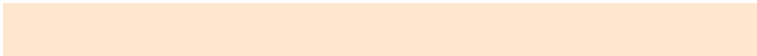
178, 170, 255

Sweetspot

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



238, 242, 86



255, 255, 207



242, 86, 164



128, 128, 98



0, 0, 0



128, 128, 128

Same Dimension

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



238, 242, 86



251, 255, 59



86, 242, 86



120, 120, 108



180, 184, 0



56, 56, 0

Inverse Universe

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



86, 138, 242



59, 124, 255



86, 86, 242



108, 112, 120



0, 61, 184



0, 19, 56

Previews

White Background



This preview shows how the RYB color 238, 242, 86 looks on a white background.

Color Contrast Check

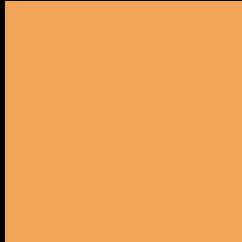
Large Text (above 18pt) WCAG AA × Fail

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 238, 242, 86 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

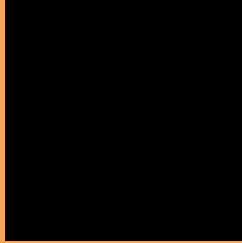
Any Text WCAG AA ✓ Pass

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](#).

R Y B 238, 242, 86 Background



This preview shows how black text looks on a background with the R Y B color 238, 242, 86.

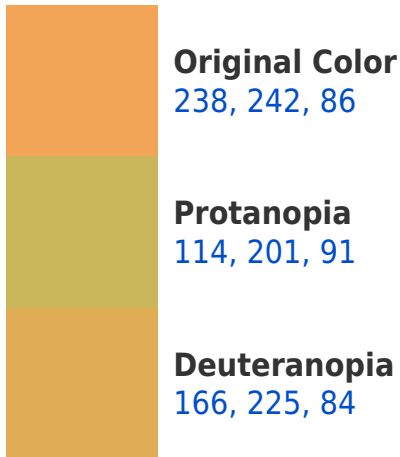



This preview shows how white text looks on a background with the R Y B color 238, 242, 86.

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





Tritanopia
248, 156, 168

Trichromacy



Original Color

238, 242, 86

Protanomaly

147, 216, 89

Deuteranomaly

190, 231, 85

Tritanomaly

246, 164, 138

Monochromacy



Original Color

238, 242, 86

Achromatopsia

179, 179, 179

Achromatomaly

200, 202, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 238, 242, 86 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(242, 165, 86)` looks like.

```
.text, #text, p{  
    color:rgb(242, 165, 86)  
}
```

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(242, 165, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 165, 86) }
```

Border

The CSS property to change the border of an element to RYB 238, 242, 86 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(242, 165, 86) }
```

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

```
.border{ border-color:rgb(242, 165, 86) }
```

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

Here you see how a box with a 4 pixel rgb(242, 165, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 165, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 165, 86);  
box-shadow:4px 4px 4px 4px rgb(242, 165,  
86) }
```

Background

The CSS property to change the background color of an element to RGB 238, 242, 86 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 165, 86) }
```

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

```
.background{ background-color: rgb(242,  
165, 86) }
```

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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