

Converting Colors

`RYB(88, 202, 35)`

Have a look what the booklet for
RYB(88, 202, 35) contains.

RYB(88, 202, 35)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(88, 202, 35)

Conversions

Conversions Part 1

Format	Color
Hex	CAA223
RGB	202, 162, 35
RGB Percent	79%, 64%, 14%
CMY	0.2078, 0.3656, 0.8627
CMYK	0.00, 0.20, 0.83, 0.21
HSL	46°, 70%, 46%
HSV	46°, 83%, 79%
XYZ	37.5400, 38.4370, 7.0306
YIQ	159.4820, 64.6070, -31.0170

Conversions

Conversions Part 2

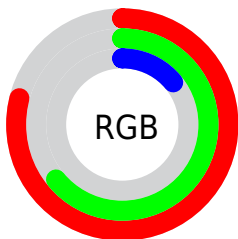
Format	Color
RYB	88, 202, 35
Decimal	13279779
CIELab	68.34, 3.31, 65.18
CIELCh	68, 65.263, 87.093
Yxy	38.4370, 0.4522, 0.4631
Android (android.graphics.Color)	4291469859 (0xFFCAA223)
YUV	159.4820, -61.3696, 37.2883
Hunter-Lab	61.9976, -0.4125, 36.6747

Details

The RYB color **88, 202, 35** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle muted orange. A complement of this color would be **35, 67, 202**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **142, 255, 92**, and **41, 143, 0** is the 20% darker color. If you saturate the color by 10%, you get **74, 202, 15**, and if you desaturate by 10%, it is **101, 202, 55**.

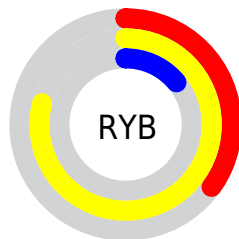
Distribution



Red (79%)

Green (64%)

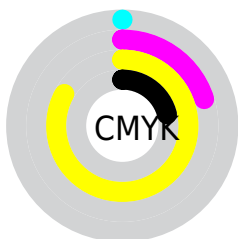
Blue (14%)



Red (35%)

Yellow (79%)

Blue (14%)

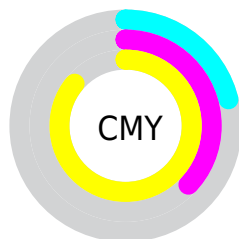


Cyan (0%)

Magenta (20%)

Yellow (83%)

Black (21%)



Cyan (21%)

Magenta (37%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the RYB color 88, 202, 35 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 88, 202, 35 by changing the saturation by 10% instead.

 88, 202, 35  88, 202, 35

255, 255, 255  46, 172, 0

 143, 255, 92  41, 143, 0

 131, 255, 120  39, 115, 0

 147, 255, 147  31, 87, 0

 175, 255, 175  26, 60, 0

 204, 255, 204  21, 35, 0

 233, 255, 233  0, 0, 0

 88, 202, 35  88, 202, 35

 74, 202, 15  101, 202, 55

65, 202, 0

114, 202, 75

130, 202, 96

144, 202, 116

157, 202, 136

170, 202, 156

184, 202, 176

198, 202, 197

202, 205, 217

Harmonies

Analogous

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



246, 187, 67



88, 202, 35



51, 179, 86

Triad

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



88, 202, 35



0, 103, 219



233, 128, 232

Complementary

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



88, 202, 35



35, 67, 202

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.



157, 153, 255



88, 202, 35



0, 109, 255

Square

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



88, 202, 35



0, 107, 194



0, 104, 255



255, 111, 175

Rectangle

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



88, 202, 35



81, 187, 173



0, 104, 255



212, 136, 248

Sweetspot

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



88, 202, 35



211, 255, 191



202, 35, 77



102, 128, 89



0, 0, 0



128, 128, 128

Same Dimension

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



88, 202, 35



83, 255, 3



35, 202, 77



95, 102, 92



53, 166, 0



12, 38, 0

Inverse Universe

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



35, 67, 202



3, 51, 255



77, 35, 202



92, 94, 102



0, 32, 166



0, 7, 38

Previews

White Background



This preview shows how the RYB color 88, 202, 35 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 88, 202, 35 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](#).

RYP 88, 202, 35 Background



This preview shows how black text looks on a background with the RYP color 88, 202, 35.



This preview shows how white text looks on a background with the RYP color 88, 202, 35.

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


88, 202, 35

Protanopia

60, 188, 36

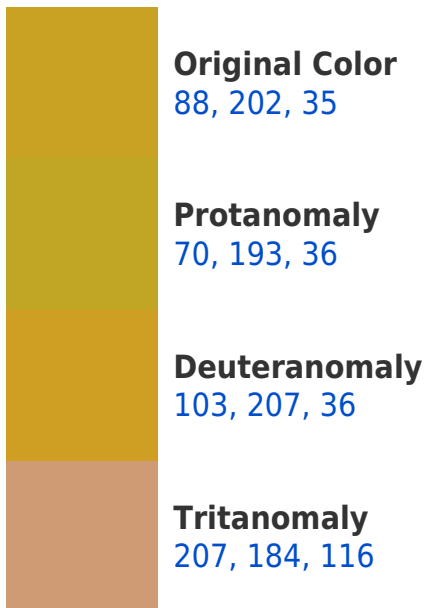
Deuteranopia

111, 210, 37

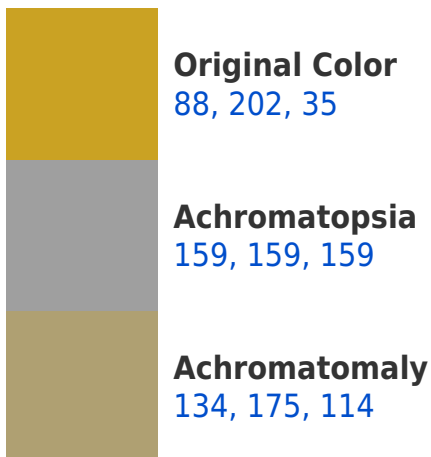


Tritanopia
210, 151, 162

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 88, 202, 35 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(202, 162, 35)` looks like.

```
.text, #text, p{  
    color:rgb(202, 162, 35)  
}
```

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(202, 162, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 162, 35) }
```

Border

The CSS property to change the border of an element to RYB 88, 202, 35 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(202, 162, 35) }
```

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

```
.border{ border-color:rgb(202, 162, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 162, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 162, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 162, 35);  
box-shadow:4px 4px 4px 4px rgb(202, 162,  
35) }
```

Background

The CSS property to change the background color of an element to RYB 88, 202, 35 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 162, 35) }
```

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

```
.background{ background-color: rgb(202,  
162, 35) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor