

Converting Colors

`RYB(128, 224, 58)`

Have a look what the booklet for
RYB(128, 224, 58) contains.

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Color

R_YB(128, 224, 58)

Conversions

Conversions Part 1

Format	Color
Hex	E0AF3A
RGB	224, 175, 58
RGB Percent	88%, 69%, 23%
CMY	0.1216, 0.3147, 0.7725
CMYK	0.00, 0.22, 0.74, 0.12
HSL	42°, 73%, 55%
HSV	42°, 74%, 88%
XYZ	46.7880, 46.7204, 10.5549
YIQ	176.3130, 66.7610, -25.9990

Conversions

Conversions Part 2

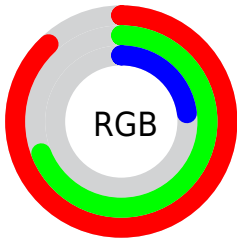
Format	Color
R _Y B	128, 224, 58
Decimal	14724922
CIE Lab	74.01, 6.82, 63.32
CIE LCh	74, 63.682, 83.856
Yxy	46.7204, 0.4496, 0.4490
Android (android.graphics.Color)	4292915002 (0xFFE0AF3A)
YUV	176.3130, -58.3283, 41.8215
Hunter-Lab	68.3523, 2.5688, 38.6911

Details

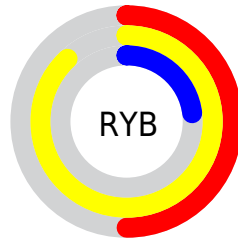
The RYB color **128, 224, 58** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **58, 96, 224**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **142, 255, 112**, and **55, 164, 0** is the 20% darker color. If you saturate the color by 10%, you get **116, 224, 36**, and if you desaturate by 10%, it is **141, 224, 80**.

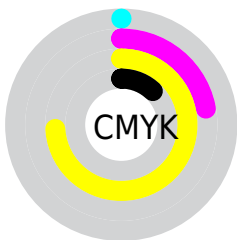
Distribution



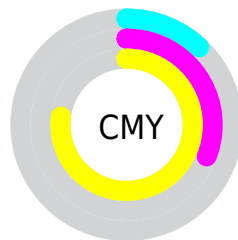
- Red (88%)
- Green (69%)
- Blue (23%)



- Red (50%)
- Yellow (88%)
- Blue (23%)



- Cyan (0%)
- Magenta (22%)
- Yellow (74%)
- Black (12%)


















- Cyan (12%)
- Magenta (31%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 224, 58 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 128, 224, 58 by changing the saturation by 10% instead.

 128, 224, 58	 128, 224, 58
255, 255, 255	 92, 194, 28
 142, 255, 112	 55, 164, 0
 140, 255, 140	 51, 135, 0
 167, 255, 167	 48, 107, 0
 196, 255, 196	 41, 79, 0
 224, 255, 224	 38, 53, 0
254, 255, 254	 29, 13, 0
	 0, 0, 0

 128, 224, 58	 128, 224, 58
--	--

■ 116, 224, 36

■ 141, 224, 80

■ 103, 224, 13

■ 154, 224, 103

■ 94, 224, 0

■ 166, 224, 125

■ 181, 224, 148

■ 193, 224, 170

■ 205, 224, 192

■ 220, 224, 215

■ 224, 227, 237

■ 224, 232, 255

Harmonies

Analogous

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



255, 192, 88



128, 224, 58



67, 193, 92

Triad

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



128, 224, 58



0, 109, 228



242, 147, 252

Complementary

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



128, 224, 58



58, 96, 224

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.



163, 170, 255



128, 224, 58



0, 114, 255

Square

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



128, 224, 58



0, 117, 210



0, 110, 255



255, 130, 197

Rectangle

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



128, 224, 58



93, 201, 172



0, 110, 255



220, 155, 255

Sweetspot

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



128, 224, 58



223, 255, 199



224, 58, 108



108, 128, 94



0, 0, 0



128, 128, 128

Same Dimension

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



128, 224, 58



123, 255, 28



58, 224, 91



105, 112, 101



74, 176, 0



20, 48, 0

Inverse Universe

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



58, 96, 224



28, 80, 255



91, 58, 224



101, 103, 112



0, 40, 176



0, 11, 48

Previews

White Background



This preview shows how the RYB color 128, 224, 58 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 128, 224, 58 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 128, 224, 58 Background



This preview shows how black text looks on a background with the RYP color 128, 224, 58.



This preview shows how white text looks on a background with the RYP color 128, 224, 58.

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


128, 224, 58

Protanopia

85, 204, 60

Deuteranopia

141, 228, 59



Tritanopia
232, 163, 176

Trichromacy



Original Color
128, 224, 58

Protanomaly
98, 211, 59

Deuteranomaly
136, 227, 59

Tritanomaly
229, 186, 133

Monochromacy



Original Color
128, 224, 58

Achromatopsia
176, 176, 176

Achromatomaly
157, 193, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 224, 58 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(224, 175, 58)` looks like.

```
.text, #text, p{  
    color:rgb(224, 175, 58)  
}
```

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(224, 175, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 175, 58) }
```

Border

The CSS property to change the border of an element to RYB 128, 224, 58 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(224, 175, 58) }
```

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

```
.border{ border-color:rgb(224, 175, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 175, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 175, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 175, 58);  
box-shadow:4px 4px 4px 4px rgb(224, 175,  
58) }
```

Background

The CSS property to change the background color of an element to RGB 128, 224, 58 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 175, 58) }
```

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

```
.background{ background-color: rgb(224,  
175, 58) }
```

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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