

Converting Colors

`RYB(180, 229, 29)`

Have a look what the booklet for
RYB(180, 229, 29) contains.

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Color

$\text{RYB}(180, 229, 29)$

Conversions

Conversions Part 1

Format	Color
Hex	E58F1D
RGB	229, 143, 29
RGB Percent	90%, 56%, 11%
CMY	0.1020, 0.4394, 0.8863
CMYK	0.00, 0.38, 0.87, 0.10
HSL	34°, 79%, 51%
HSV	34°, 87%, 90%
XYZ	42.3513, 36.3797, 5.9522
YIQ	155.7180, 87.8500, -17.2220

Conversions

Conversions Part 2

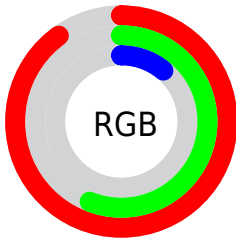
Format	Color
RYB	180, 229, 29
Decimal	15044381
CIELab	66.81, 24.96, 66.87
CIELCh	67, 71.376, 69.530
Yxy	36.3797, 0.5001, 0.4296
Android (android.graphics.Color)	4293234461 (0xFFE58F1D)
YUV	155.7180, -62.4720, 64.2683
Hunter-Lab	60.3156, 19.7838, 36.3699

Details

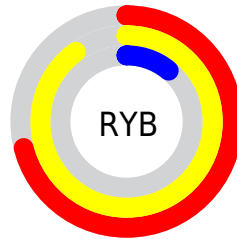
The RYB color **180, 229, 29** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **29, 89, 229**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **176, 255, 87**, and **136, 167, 0** is the 20% darker color. If you saturate the color by 10%, you get **175, 229, 6**, and if you desaturate by 10%, it is **185, 229, 52**.

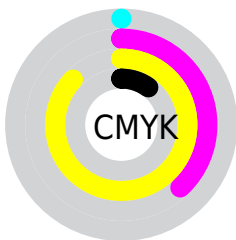
Distribution



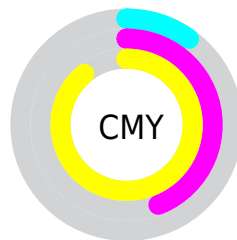
- Red (90%)
- Green (56%)
- Blue (11%)



- Red (71%)
- Yellow (90%)
- Blue (11%)



- Cyan (0%)
- Magenta (38%)
- Yellow (87%)
- Black (10%)




















- Cyan (10%)
- Magenta (44%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 229, 29 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 180, 229, 29 by changing the saturation by 10% instead.

 180, 229, 29	 180, 229, 29
255, 255, 255	 137, 198, 0
 176, 255, 87	 136, 167, 0
 152, 255, 114	 137, 135, 0
 142, 255, 141	 108, 77, 0
 169, 255, 169	 79, 32, 0
 197, 255, 197	 52, 1, 0
 226, 255, 226	 24, 0, 1
	 0, 0, 0

 180, 229, 29

 180, 229, 29

■ 175, 229, 6

■ 185, 229, 52

■ 174, 229, 0

■ 191, 229, 75

■ 196, 229, 98

■ 204, 229, 121

■ 210, 229, 144

■ 213, 229, 166

■ 219, 229, 189

■ 224, 229, 212

■ 229, 231, 235

Harmonies

Analogous

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



255, 122, 84



180, 229, 29



9, 175, 0

Triad

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



180, 229, 29



0, 99, 192



191, 136, 255

Complementary

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



180, 229, 29



29, 89, 229

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.



38, 117, 255



180, 229, 29



0, 107, 243

Square

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



180, 229, 29



0, 118, 189



0, 106, 255



255, 107, 209

Rectangle

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



180, 229, 29



33, 177, 79



0, 106, 255



158, 146, 255

Sweetspot

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



180, 229, 29



241, 255, 189



229, 29, 116



121, 128, 88



0, 0, 0



128, 128, 128

Same Dimension

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



180, 229, 29



193, 255, 0



29, 229, 42



112, 115, 103



135, 179, 0



39, 51, 0

Inverse Universe

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



29, 89, 229



0, 77, 255



42, 29, 229



103, 107, 115



0, 54, 179



0, 15, 51

Previews

White Background



This preview shows how the RYB color 180, 229, 29 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 180, 229, 29 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 180, 229, 29 Background



This preview shows how black text looks on a background with the RYB color 180, 229, 29.



This preview shows how white text looks on a background with the RYB color 180, 229, 29.

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
180, 229, 29

Protanopia
57, 183, 34

Deuteranopia
90, 206, 20



Tritanopia
234, 133, 143

Trichromacy



Original Color
180, 229, 29

Protanomaly
92, 200, 32

Deuteranomaly
117, 214, 23

Tritanomaly
232, 150, 102

Monochromacy



Original Color
180, 229, 29

Achromatopsia
156, 156, 156

Achromatomaly
167, 183, 110

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 229, 29 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(229, 143, 29)` looks like.

```
.text, #text, p{  
    color:rgb(229, 143, 29)  
}
```

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(229, 143, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 143, 29) }
```

Border

The CSS property to change the border of an element to RYB 180, 229, 29 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(229, 143, 29) }
```

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

```
.border{ border-color:rgb(229, 143, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 143, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 143, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 143, 29);  
box-shadow:4px 4px 4px 4px rgb(229, 143,  
29) }
```

Background

The CSS property to change the background color of an element to RGB 180, 229, 29 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 143, 29) }
```

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

```
.background{ background-color: rgb(229,  
143, 29) }
```

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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