

Converting Colors

`RYB(79, 218, 33)`

Have a look what the booklet for
RYB(79, 218, 33) contains.

RYB(79, 218, 33)	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(79, 218, 33)

Conversions

Conversions Part 1

Format	Color
Hex	DAB521
RGB	218, 181, 33
RGB Percent	85%, 71%, 13%
CMY	0.1451, 0.2896, 0.8706
CMYK	0.00, 0.17, 0.85, 0.15
HSL	48°, 74%, 49%
HSV	48°, 85%, 85%
XYZ	45.7444, 48.1282, 8.3175
YIQ	175.1910, 69.5600, -38.1840

Conversions

Conversions Part 2

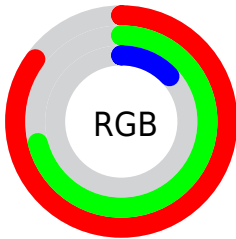
Format	Color
RYB	79, 218, 33
Decimal	14333217
CIELab	74.91, 0.00, 71.87
CIElCh	75, 71.873, 90.000
Yxy	48.1282, 0.4476, 0.4710
Android (android.graphics.Color)	4292523297 (0xFFDAB521)
YUV	175.1910, -70.1002, 37.5435
Hunter-Lab	69.3745, -3.7052, 41.4537

Details

The RYB color **79, 218, 33** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **33, 64, 218**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **116, 255, 94**, and **36, 158, 0** is the 20% darker color. If you saturate the color by 10%, you get **62, 218, 11**, and if you desaturate by 10%, it is **95, 218, 55**.

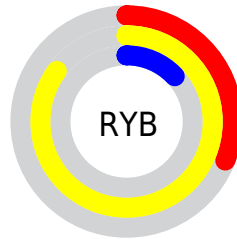
Distribution



Red (85%)

Green (71%)

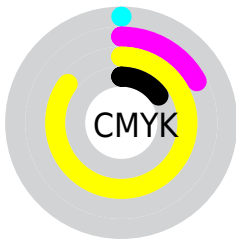
Blue (13%)



Red (31%)

Yellow (85%)

Blue (13%)

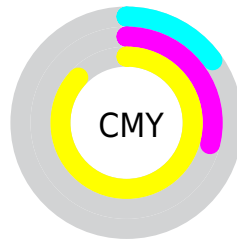


Cyan (0%)

Magenta (17%)

Yellow (85%)

Black (15%)



Cyan (15%)



















Magenta (29%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the RYB color 79, 218, 33 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 79, 218, 33 by changing the saturation by 10% instead.

 79, 218, 33	 79, 218, 33
255, 255, 255	 40, 188, 0
 114, 255, 94	 36, 158, 0
 122, 255, 122	 33, 130, 0
 150, 255, 150	 27, 101, 0
 179, 255, 179	 20, 74, 0
 208, 255, 208	 16, 48, 0
 237, 255, 237	 10, 23, 0
	 0, 0, 0
 79, 218, 33	 79, 218, 33

■ 62, 218, 11

■ 95, 218, 55

■ 54, 218, 0

■ 112, 218, 77

■ 128, 218, 98

■ 144, 218, 120

■ 161, 218, 142

■ 178, 218, 164

■ 193, 218, 186

■ 209, 218, 207

■ 218, 220, 229

Harmonies

Analogous

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



255, 236, 67



79, 218, 33



58, 200, 106

Triad

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



79, 218, 33



0, 115, 249



255, 138, 252

Complementary

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



79, 218, 33



33, 64, 218

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.



183, 167, 255



79, 218, 33



0, 115, 255

Square

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



79, 218, 33



0, 117, 216



0, 110, 255



255, 121, 187

Rectangle

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



79, 218, 33



93, 207, 208



0, 110, 255



243, 147, 255

Sweetspot

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



79, 218, 33



207, 255, 191



218, 33, 70



99, 128, 89



0, 0, 0



128, 128, 128

Same Dimension

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



79, 218, 33



64, 255, 0



33, 218, 89



103, 110, 99



42, 173, 0



11, 46, 0

Inverse Universe

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



33, 64, 218



0, 43, 255



88, 33, 218



99, 101, 110



0, 29, 173



0, 8, 46

Previews

White Background



This preview shows how the RYB color 79, 218, 33 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 79, 218, 33 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 79, 218, 33 Background



This preview shows how black text looks on a background with the R Y B color 79, 218, 33.



This preview shows how white text looks on a background with the R Y B color 79, 218, 33.

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


79, 218, 33

Protanopia

61, 208, 34

Deuteranopia

119, 233, 37



Tritanopia
228, 169, 182

Trichromacy



Original Color
79, 218, 33

Protanomaly
67, 212, 34

Deuteranomaly
105, 228, 36

Tritanomaly
224, 213, 128

Monochromacy



Original Color
79, 218, 33

Achromatopsia
175, 175, 175

Achromatomaly
141, 191, 123

CSS Examples

Text

The CSS property to change the color of the text to RYB 79, 218, 33 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(218, 181, 33)` looks like.

```
.text, #text, p{  
    color:rgb(218, 181, 33)  
}
```

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(218, 181, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 181, 33) }
```

Border

The CSS property to change the border of an element to RYB 79, 218, 33 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(218, 181, 33) }
```

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

```
.border{ border-color:rgb(218, 181, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 181, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 181, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 181, 33);  
box-shadow:4px 4px 4px 4px rgb(218, 181,  
33) }
```

Background

The CSS property to change the background color of an element to RYB 79, 218, 33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 181, 33) }
```

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

```
.background{ background-color: rgb(218,  
181, 33) }
```

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