

Converting Colors

`RYB(23, 218, 163)`

Have a look what the booklet for
RYB(23, 218, 163) contains.

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Color

RYB(23, 218, 163)

Conversions

Conversions Part 1

Format	Color
Hex	4EDA17
RGB	78, 218, 23
RGB Percent	31%, 85%, 9%
CMY	0.6941, 0.1451, 0.9098
CMYK	0.64, 0.00, 0.89, 0.15
HSL	103°, 81%, 47%
HSV	103°, 89%, 85%
XYZ	28.3679, 51.8244, 9.3186
YIQ	153.9100, -20.8450, -90.3250

Conversions

Conversions Part 2

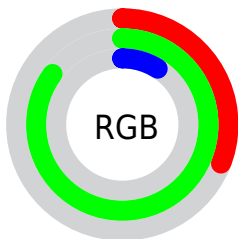
Format	Color
R_{YB}	23, 218, 163
Decimal	5167639
CIE _{Lab}	77.18, -67.48, 72.51
CIE _{LCh}	77, 99.049, 132.940
Yxy	51.8244, 0.3169, 0.5790
Android (android.graphics.Color)	4283357719 (0xFF4EDA17)
YUV	153.9100, -64.5386, -66.5731
Hunter-Lab	71.9891, -55.6415, 42.7177

Details

The RYB color **23, 218, 163** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **163, 23, 218**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **92, 255, 203**, and **0, 162, 162** is the 20% darker color. If you saturate the color by 10%, you get **1, 218, 157**, and if you desaturate by 10%, it is **45, 218, 169**.

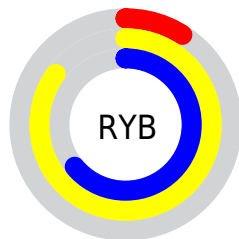
Distribution



Red (31%)

Green (85%)

Blue (9%)



Red (9%)

Yellow (85%)

Blue (64%)

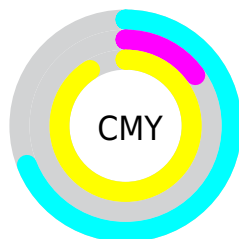


Cyan (64%)

Magenta (0%)

Yellow (89%)

Black (15%)



Cyan (69%)

Magenta (15%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the RYB color 23, 218, 163 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 23, 218, 163 by changing the saturation by 10% instead.

 23, 218, 163

 23, 218, 163

255, 255, 255

 0, 190, 155

 92, 255, 203

 0, 162, 162


 121, 255, 201

 0, 134, 134

 150, 255, 200

 0, 108, 108

 179, 255, 198

 0, 82, 82

 208, 255, 208

 0, 58, 58

 238, 255, 238

 0, 33, 33

 0, 0, 0

 23, 218, 163

 23, 218, 163

■ 1, 218, 157

■ 45, 218, 169

■ 0, 218, 157

■ 67, 218, 176

■ 88, 218, 181

■ 110, 218, 187

■ 132, 218, 194

■ 154, 218, 200

■ 176, 218, 206

■ 197, 218, 212

■ 219, 218, 219

Harmonies

Analogous

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



0, 199, 6



23, 218, 163



0, 143, 227

Triad

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



23, 218, 163



0, 117, 255



255, 78, 155

Complementary

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



23, 218, 163



163, 23, 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.



255, 93, 247



23, 218, 163



0, 109, 255

Square

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



23, 218, 163



0, 120, 255



242, 145, 255



255, 143, 67

Rectangle

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



23, 218, 163



0, 124, 230



242, 145, 255



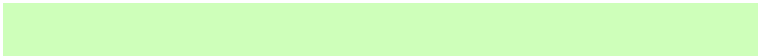
255, 75, 186

Sweetspot

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



23, 218, 163



186, 255, 235



100, 218, 23



87, 128, 117



0, 0, 0



128, 128, 128

Same Dimension

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



23, 218, 163



0, 255, 183



23, 183, 218



99, 110, 107



0, 173, 124



0, 46, 33

Inverse Universe

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



163, 23, 218



183, 0, 255



218, 23, 176



107, 99, 110



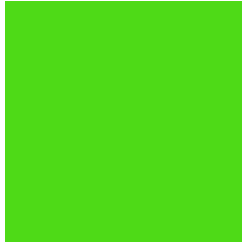
124, 0, 173



33, 0, 46

Previews

White Background



This preview shows how the RYB color 23, 218, 163 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 23, 218, 163 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](#).

RYB 23, 218, 163 Background



This preview shows how black text looks on a background with the RYB color 23, 218, 163.



This preview shows how white text looks on a background with the RYB color 23, 218, 163.

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](#).

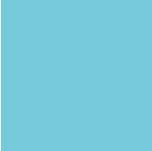
Dichromacy



Original Color
23, 218, 163

Protanopia
36, 213, 9

Deuteranopia
134, 237, 50



Tritanopia
116, 163, 219

Trichromacy



Original Color

23, 218, 163



Protanomaly

14, 200, 50



Deuteranomaly

40, 193, 54



Tritanomaly

102, 176, 208

Monochromacy



Original Color

23, 218, 163



Achromatopsia

154, 154, 154



Achromatomaly

106, 177, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 23, 218, 163 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(78, 218, 23)` looks like.

```
.text, #text, p{  
    color:rgb(78, 218, 23)  
}
```

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(78, 218, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 218, 23) }
```

Border

The CSS property to change the border of an element to RYB 23, 218, 163 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(78, 218, 23) }
```

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

```
.border{ border-color:rgb(78, 218, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 218, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 218, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 218, 23);  
box-shadow:4px 4px 4px 4px rgb(78, 218,  
23) }
```

Background

The CSS property to change the background color of an element to RGB 23, 218, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 218, 23) }
```

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

```
.background{ background-color: rgb(78, 218,  
23) }
```

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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