

Converting Colors

`RYB(23, 208, 171)`

Have a look what the booklet for
RYB(23, 208, 171) contains.

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Color

RYB(23, 208, 171)

Conversions

Conversions Part 1

Format	Color
Hex	3CD017
RGB	60, 208, 23
RGB Percent	24%, 82%, 9%
CMY	0.7647, 0.1843, 0.9098
CMYK	0.71, 0.00, 0.89, 0.18
HSL	108°, 80%, 45%
HSV	108°, 89%, 82%
XYZ	24.5740, 46.1343, 8.4202
YIQ	142.6580, -28.8230, -88.9110

Conversions

Conversions Part 2

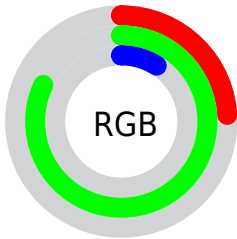
Format	Color
RYB	23, 208, 171
Decimal	3985431
CIELab	73.63, -67.82, 69.33
CIELCh	74, 96.984, 134.368
Yxy	46.1343, 0.3106, 0.5830
Android (android.graphics.Color)	4282175511 (0xFF3CD017)
YUV	142.6580, -58.9914, -72.4911
Hunter-Lab	67.9222, -54.2832, 40.1954

Details

The RYB color **23, 208, 171** 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 **171, 23, 208**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **90, 255, 216**, and **0, 152, 152** is the 20% darker color. If you saturate the color by 10%, you get **2, 208, 167**, and if you desaturate by 10%, it is **44, 208, 175**.

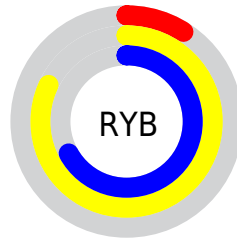
Distribution



Red (24%)

Green (82%)

Blue (9%)



Red (9%)

Yellow (82%)

Blue (67%)

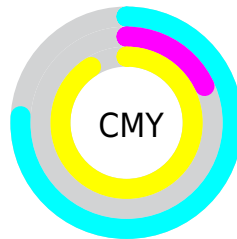


Cyan (71%)

Magenta (0%)

Yellow (89%)

Black (18%)



Cyan (76%)

Magenta (18%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the RYB color 23, 208, 171 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, 208, 171 by changing the saturation by 10% instead.

 23, 208, 171

 23, 208, 171

255, 255, 255

 0, 180, 180

 90, 255, 216

 0, 152, 152

 119, 255, 214

 0, 125, 125

 147, 255, 211

 0, 99, 99

 176, 255, 209

 0, 73, 73

 205, 255, 207

 0, 49, 49

 234, 255, 234

 0, 21, 21

 0, 0, 0

 23, 208, 171

 23, 208, 171

■ 2, 208, 167

■ 44, 208, 175

■ 0, 208, 166

■ 65, 208, 180

■ 85, 208, 183

■ 106, 208, 187

■ 127, 208, 192

■ 148, 208, 196

■ 169, 208, 201

■ 189, 208, 204

■ 210, 208, 210

Harmonies

Analogous

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



0, 190, 12



23, 208, 171



0, 136, 217

Triad

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



23, 208, 171



0, 113, 255



255, 70, 142

Complementary

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



23, 208, 171



171, 23, 208

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, 82, 231



23, 208, 171



0, 105, 255

Square

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



23, 208, 171



0, 117, 255



236, 134, 255



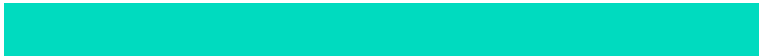
255, 140, 56

Rectangle

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



23, 208, 171



0, 117, 219



236, 134, 255



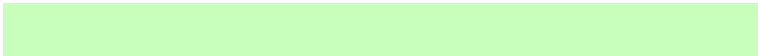
255, 65, 172

Sweetspot

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



23, 208, 171



186, 255, 241



69, 208, 23



87, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



23, 208, 171



0, 255, 204



23, 165, 208



94, 105, 103



0, 168, 134



0, 41, 33

Inverse Universe

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



171, 23, 208



204, 0, 255



208, 23, 153



102, 94, 105



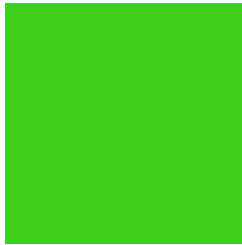
135, 0, 168



33, 0, 41

Previews

White Background



This preview shows how the RYB color 23, 208, 171 looks on a white background.

Color Contrast Check

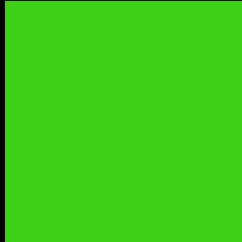
Large Text (above 18pt) WCAG AA × Fail

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, 208, 171 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, 208, 171 Background



This preview shows how black text looks on a background with the RYB color 23, 208, 171.



This preview shows how white text looks on a background with the RYB color 23, 208, 171.

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](#).

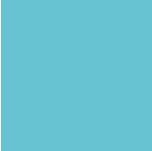
Dichromacy



Original Color
23, 208, 171

Protanopia
36, 202, 11

Deuteranopia
129, 225, 49



Tritanopia
103, 152, 209

Trichromacy



Original Color

23, 208, 171



Protanomaly

15, 190, 55



Deuteranomaly

40, 184, 59



Tritanomaly

87, 162, 198

Monochromacy



Original Color

23, 208, 171



Achromatopsia

143, 143, 143



Achromatomaly

99, 167, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 23, 208, 171 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(60, 208, 23)` looks like.

```
.text, #text, p{  
    color:rgb(60, 208, 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(60, 208, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 208, 23) }
```

Border

The CSS property to change the border of an element to RYB 23, 208, 171 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(60, 208, 23) }
```

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

```
.border{ border-color:rgb(60, 208, 23) }
```

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

Here you see how a box with a 4 pixel rgb(60, 208, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 208, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 208, 23);  
box-shadow:4px 4px 4px 4px rgb(60, 208,  
23) }
```

Background

The CSS property to change the background color of an element to RGB 23, 208, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 208, 23) }
```

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

```
.background{ background-color: rgb(60, 208,  
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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