

Converting Colors

`RYB(43, 230, 100)`

Have a look what the booklet for
RYB(43, 230, 100) contains.

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Color

R_YB(43, 230, 100)

Conversions

Conversions Part 1

Format	Color
Hex	ADE62B
RGB	173, 230, 43
RGB Percent	68%, 90%, 17%
CMY	0.3216, 0.0980, 0.8314
CMYK	0.25, 0.00, 0.81, 0.10
HSL	78°, 79%, 54%
HSV	78°, 81%, 90%
XYZ	45.9664, 65.6523, 12.5350
YIQ	191.6390, 26.0550, -70.2410

Conversions

Conversions Part 2

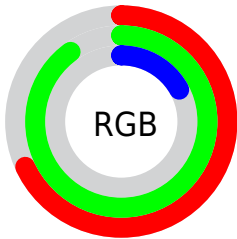
Format	Color
RYB	43, 230, 100
Decimal	11396651
CIELab	84.82, -42.10, 76.53
CIELCh	85, 87.345, 118.813
Yxy	65.6523, 0.3702, 0.5288
Android (android.graphics.Color)	4289586731 (0xFFADE62B)
YUV	191.6390, -73.2790, -16.3464
Hunter-Lab	81.0261, -40.5319, 47.5459

Details

The RYB color **43, 230, 100** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **100, 43, 230**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **106, 255, 129**, and **0, 174, 59** is the 20% darker color. If you saturate the color by 10%, you get **20, 230, 84**, and if you desaturate by 10%, it is **66, 230, 116**.

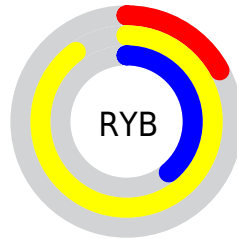
Distribution



Red (68%)

Green (90%)

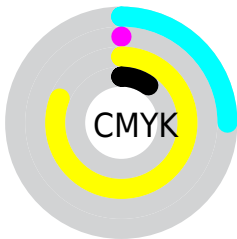
Blue (17%)



Red (17%)

Yellow (90%)

Blue (39%)

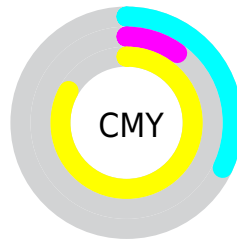


Cyan (25%)

Magenta (0%)

Yellow (81%)

Black (10%)



Cyan (32%)

















Magenta (10%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the RYB color 43, 230, 100 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 43, 230, 100 by changing the saturation by 10% instead.

 43, 230, 100	 43, 230, 100
255, 255, 255	 0, 202, 58
 106, 255, 129	 0, 174, 59
 135, 255, 135	 0, 147, 61
 164, 255, 164	 0, 121, 64
 193, 255, 193	 0, 96, 75
 223, 255, 223	 0, 72, 72
253, 255, 253	 0, 48, 48
	 0, 25, 25
	 0, 0, 0

■ 43, 230, 100

■ 43, 230, 100

■ 20, 230, 84

■ 66, 230, 116

■ 0, 230, 70

■ 89, 230, 132

■ 112, 230, 148

■ 135, 230, 164

■ 158, 230, 180

■ 181, 230, 196

■ 204, 230, 212

■ 227, 230, 228

■ 236, 230, 250

Harmonies

Analogous

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



58, 254, 0



43, 230, 100



0, 162, 243

Triad

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



43, 230, 100



0, 124, 255



255, 128, 219

Complementary

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



43, 230, 100



100, 43, 230

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, 153, 255



43, 230, 100



0, 119, 255

Square

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



43, 230, 100



0, 126, 255



203, 191, 255



255, 140, 137

Rectangle

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



43, 230, 100



0, 145, 248



203, 191, 255



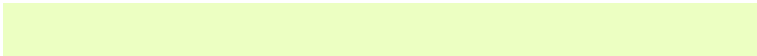
255, 133, 246

Sweetspot

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



43, 230, 100



194, 255, 213



230, 123, 43



91, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



43, 230, 100



5, 255, 81



43, 230, 193



103, 115, 107



0, 179, 55



0, 51, 16

Inverse Universe

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



100, 43, 230



81, 5, 255



193, 43, 230



107, 103, 115



54, 0, 179



16, 0, 51

Previews

White Background



This preview shows how the RYB color 43, 230, 100 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 43, 230, 100 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 43, 230, 100 Background



This preview shows how black text looks on a background with the RYB color 43, 230, 100.



This preview shows how white text looks on a background with the RYB color 43, 230, 100.

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
43, 230, 100

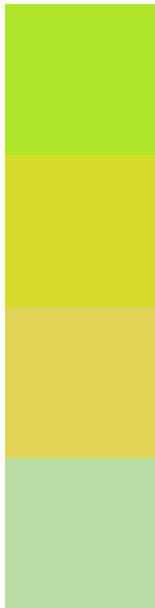
Protanopia
69, 238, 38

Deuteranopia
196, 255, 112



Tritanopia
193, 207, 231

Trichromacy



Original Color
43, 230, 100

Protanomaly
40, 218, 44

Deuteranomaly
101, 225, 87

Tritanomaly
163, 220, 197

Monochromacy



Original Color
43, 230, 100

Achromatopsia
192, 192, 192

Achromatomaly
138, 206, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 43, 230, 100 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(173, 230, 43)` looks like.

```
.text, #text, p{  
    color:rgb(173, 230, 43)  
}
```

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(173, 230, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 230, 43) }
```

Border

The CSS property to change the border of an element to RYB 43, 230, 100 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(173, 230, 43) }
```

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

```
.border{ border-color:rgb(173, 230, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 230, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 230, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 230, 43);  
box-shadow:4px 4px 4px 4px rgb(173, 230,  
43) }
```

Background

The CSS property to change the background color of an element to RYB 43, 230, 100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 230, 43) }
```

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

```
.background{ background-color: rgb(173,  
230, 43) }
```

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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