

Converting Colors

RGB(172, 224, 31)

Have a look what the booklet for
RGB(172, 224, 31) contains.

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Color

RGB(172, 224, 31)

Conversions

Conversions Part 1

Format	Color
Hex	ACE01F
RGB	172, 224, 31
RGB Percent	67%, 88%, 12%
CMY	0.3255, 0.1216, 0.8784
CMYK	0.23, 0.00, 0.86, 0.12
HSL	76°, 76%, 50%
HSV	76°, 86%, 88%
XYZ	43.9162, 62.1809, 10.9838
YIQ	186.4500, 30.9610, -71.0470

Conversions

Conversions Part 2

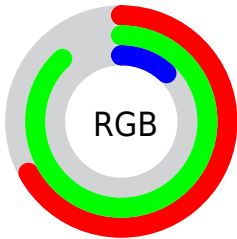
Format	Color
RYB	31, 224, 83
Decimal	11329567
CIELab	83.01, -40.22, 77.60
CIELCh	83, 87.408, 117.397
Yxy	62.1809, 0.3751, 0.5311
Android (android.graphics.Color)	4289519647 (0xFFACE01F)
YUV	186.4500, -76.6368, -12.6726
Hunter-Lab	78.8549, -38.5849, 46.9398

Details

The RGB color **172, 224, 31** 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 **83, 31, 224**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **231, 255, 98**, and **114, 169, 0** is the 20% darker color. If you saturate the color by 10%, you get **166, 224, 9**, and if you desaturate by 10%, it is **178, 224, 53**.

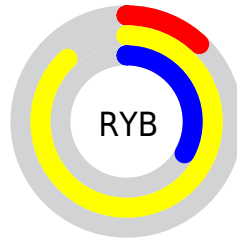
Distribution



Red (67%)

Green (88%)

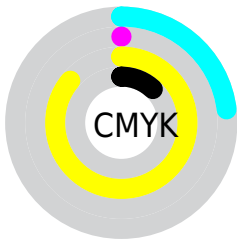
Blue (12%)



Red (12%)

Yellow (88%)

Blue (33%)

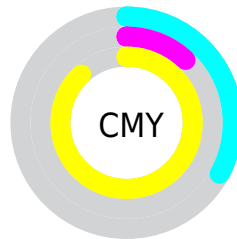


Cyan (23%)

Magenta (0%)

Yellow (86%)

Black (12%)



Cyan (33%)



















Magenta (12%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the RGB color 172, 224, 31 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 RGB color 172, 224, 31 by changing the saturation by 10% instead.

 172, 224, 31	 172, 224, 31
 255, 255, 255	 143, 196, 0
 231, 255, 98	 114, 169, 0
 255, 255, 128	 85, 142, 0
 255, 255, 157	 56, 116, 0
 255, 255, 186	 21, 91, 0
 255, 255, 215	 0, 67, 0
 255, 255, 245	 0, 44, 0
	 0, 18, 0
	 0, 0, 0

■ 172, 224, 31

■ 172, 224, 31

■ 166, 224, 9

■ 178, 224, 53

■ 164, 224, 0

■ 184, 224, 76

■ 190, 224, 98

■ 196, 224, 121

■ 202, 224, 143

■ 208, 224, 165

■ 214, 224, 188

■ 220, 224, 210

■ 226, 224, 233

Harmonies

Analogous

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



252, 201, 0



172, 224, 31



4, 238, 112

Triad

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



172, 224, 31



0, 237, 255



255, 122, 217

Complementary

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



172, 224, 31



83, 31, 224

Split Complementary

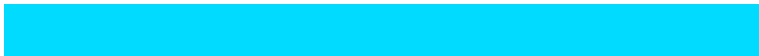
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 149, 255



172, 224, 31



0, 219, 255

Square

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



172, 224, 31



0, 244, 255



190, 188, 255



255, 133, 136

Rectangle

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



172, 224, 31



0, 243, 168



190, 188, 255



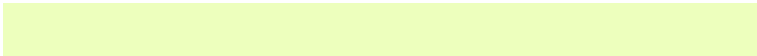
255, 128, 245

Sweetspot

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



172, 224, 31



237, 255, 189



224, 82, 31



117, 128, 88



0, 0, 0



128, 128, 128

Same Dimension

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



172, 224, 31



186, 255, 0



76, 224, 31



109, 112, 101



129, 176, 0



35, 48, 0

Inverse Universe

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



83, 31, 224



69, 0, 255



179, 31, 224



104, 101, 112



47, 0, 176



13, 0, 48

Previews

White Background



This preview shows how the RGB color 172, 224, 31 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 RGB color 172, 224, 31 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](#).

RGB 172, 224, 31 Background



This preview shows how black text looks on a background with the RGB color 172, 224, 31.

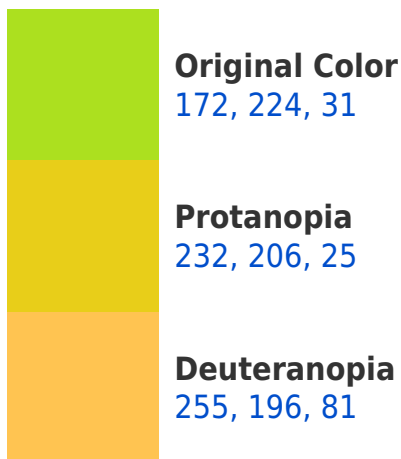


This preview shows how white text looks on a background with the RGB color 172, 224, 31.

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





Tritanopia
191, 208, 225

Trichromacy



Original Color
172, 224, 31

Protanomaly
210, 213, 27

Deuteranomaly
225, 206, 63

Tritanomaly
184, 214, 154

Monochromacy



Original Color
172, 224, 31

Achromatopsia
186, 186, 186

Achromatomaly
181, 200, 130

CSS Examples

Text

The CSS property to change the color of the text to RGB 172, 224, 31 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(172, 224, 31)` looks like.

```
.text, #text, p{  
    color:rgb(172, 224, 31)  
}
```

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(172, 224, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 224, 31) }
```

Border

The CSS property to change the border of an element to RGB 172, 224, 31 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(172, 224, 31) }
```

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

```
.border{ border-color:rgb(172, 224, 31) }
```

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

Here you see how a box with a 4 pixel rgb(172, 224, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 224, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 224, 31);  
box-shadow:4px 4px 4px 4px rgb(172, 224,  
31) }
```

Background

The CSS property to change the background color of an element to RGB 172, 224, 31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 224, 31) }
```

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

```
.background{ background-color: rgb(172,  
224, 31) }
```

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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