

Converting Colors

`RYB(0, 232, 151)`

Have a look what the booklet for
RYB(0, 232, 151) contains.

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Color

RYB(0, 232, 151)

Conversions

Conversions Part 1

Format	Color
Hex	51E800
RGB	81, 232, 0
RGB Percent	32%, 91%, 0%
CMY	0.6824, 0.0902, 1.0000
CMYK	0.65, 0.00, 1.00, 0.09
HSL	99°, 100%, 45%
HSV	99°, 100%, 91%
XYZ	32.2500, 59.4626, 9.7777
YIQ	160.4030, -15.5240, -104.1640

Conversions

Conversions Part 2

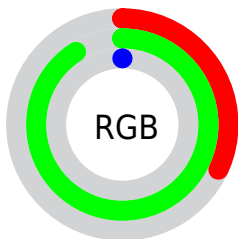
Format	Color
RYB	0, 232, 151
Decimal	5367808
CIELab	81.55, -71.71, 78.62
CIELCh	82, 106.415, 132.370
Yxy	59.4626, 0.3178, 0.5859
Android (android.graphics.Color)	4283557888 (0xFF51E800)
YUV	160.4030, -79.0787, -69.6364
Hunter-Lab	77.1120, -60.2932, 46.4605

Details

The RYB color **0, 232, 151** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **151, 0, 232**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **88, 255, 194**, and **0, 175, 175** is the 20% darker color. If you saturate the color by 10%, you get **0, 232, 151**, and if you desaturate by 10%, it is **23, 232, 159**.

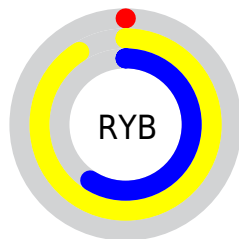
Distribution



Red (32%)

Green (91%)

Blue (0%)



Red (0%)

Yellow (91%)

Blue (59%)

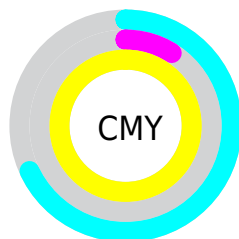


Cyan (65%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (68%)








Magenta (9%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 232, 151 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 0, 232, 151 by changing the saturation by 10% instead.

 0, 232, 151	 0, 232, 151
255, 255, 255	 0, 203, 168
 88, 255, 194	 0, 175, 175
 118, 255, 193	 0, 147, 147
 147, 255, 191	 0, 120, 120
 177, 255, 189	 0, 94, 94
 206, 255, 206	 0, 68, 68
 236, 255, 236	 0, 44, 44
	 0, 11, 11
	 0, 0, 0

 0, 232, 151

 23, 232, 159

 46, 232, 167

 70, 232, 176

 93, 232, 184

 116, 232, 192

 139, 232, 199

 162, 232, 207

 186, 232, 216

 209, 232, 224

Harmonies

Analogous

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



0, 211, 5



0, 232, 151



0, 154, 242

Triad

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



0, 232, 151



0, 121, 255



255, 75, 166

Complementary

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



0, 232, 151



151, 0, 232

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, 95, 255



0, 232, 151



0, 113, 255

Square

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



0, 232, 151



0, 124, 255



255, 154, 255



255, 148, 70

Rectangle

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



0, 232, 151



0, 133, 245



255, 154, 255



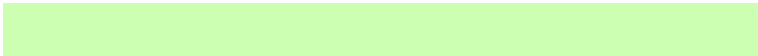
255, 71, 199

Sweetspot

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



0, 232, 151



179, 255, 229



124, 232, 0



82, 128, 112



0, 0, 0



128, 128, 128

Same Dimension

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



0, 232, 151



0, 255, 166



0, 202, 232



103, 115, 111



0, 179, 117



0, 51, 33

Inverse Universe

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



151, 0, 232



166, 0, 255



232, 0, 197



111, 103, 115



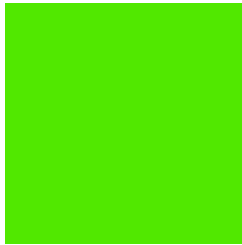
116, 0, 179



33, 0, 51

Previews

White Background



This preview shows how the RYB color 0, 232, 151 looks on a white background.

Color Contrast Check

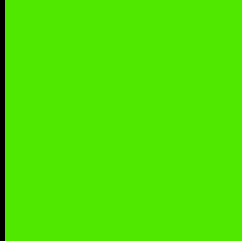
Large Text (above 18pt) WCAG AA × Fail

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 0, 232, 151 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

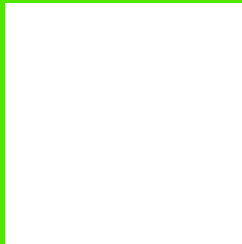
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 0, 232, 151 Background



This preview shows how black text looks on a background with the RYB color 0, 232, 151.



This preview shows how white text looks on a background with the RYB color 0, 232, 151.

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
0, 232, 151

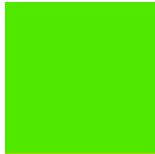
Protanopia
29, 227, 0

Deuteranopia
138, 253, 49



Tritanopia
123, 173, 233

Trichromacy



Original Color

0, 232, 151



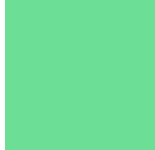
Protanomaly

0, 212, 38



Deuteranomaly

31, 206, 47



Tritanomaly

108, 192, 222

Monochromacy



Original Color

0, 232, 151



Achromatopsia

160, 160, 160



Achromatomaly

102, 186, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 232, 151 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(81, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(81, 232, 0)  
}
```

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(81, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 232, 0) }
```

Border

The CSS property to change the border of an element to RYB 0, 232, 151 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(81, 232, 0) }
```

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

```
.border{ border-color:rgb(81, 232, 0) }
```

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

Here you see how a box with a 4 pixel rgb(81, 232, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(81, 232, 0)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 232, 151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 232, 0) }
```

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

```
.background{ background-color: rgb(81, 232,  
0) }
```

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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