

Converting Colors

`RYB(0, 226, 163)`

Have a look what the booklet for
RYB(0, 226, 163) contains.

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Color

RYB(0, 226, 163)

Conversions

Conversions Part 1

Format	Color
Hex	3FE200
RGB	63, 226, 0
RGB Percent	25%, 89%, 0%
CMY	0.7529, 0.1137, 1.0000
CMYK	0.72, 0.00, 1.00, 0.11
HSL	103°, 100%, 44%
HSV	103°, 100%, 89%
XYZ	29.2463, 55.4495, 9.1614
YIQ	151.4990, -24.6020, -104.8420

Conversions

Conversions Part 2

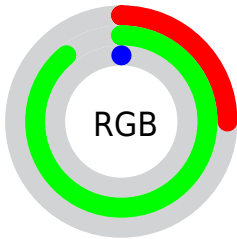
Format	Color
RYB	0, 226, 163
Decimal	4186624
CIELab	79.30, -73.22, 76.67
CIELCh	79, 106.014, 133.680
Yxy	55.4495, 0.3116, 0.5908
Android (android.graphics.Color)	4282376704 (0xFF3FE200)
YUV	151.4990, -74.6890, -77.6136
Hunter-Lab	74.4644, -60.2060, 44.8306

Details

The RYB color **0, 226, 163** 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 **163, 0, 226**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **86, 255, 206**, and **0, 169, 169** is the 20% darker color. If you saturate the color by 10%, you get **0, 226, 163**, and if you desaturate by 10%, it is **23, 226, 170**.

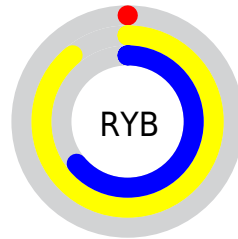
Distribution



Red (25%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (64%)

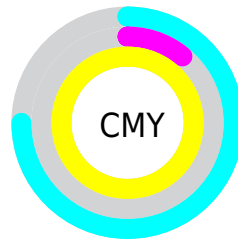


Cyan (72%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (75%)

















Magenta (11%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 226, 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 0, 226, 163 by changing the saturation by 10% instead.

 0, 226, 163	 0, 226, 163
255, 255, 255	 0, 197, 197
 86, 255, 206	 0, 169, 169
 116, 255, 204	 0, 141, 141
 145, 255, 201	 0, 115, 115
 175, 255, 200	 0, 88, 88
 204, 255, 204	 0, 64, 64
 234, 255, 234	 0, 38, 38
	 0, 0, 0

 0, 226, 163

 23, 226, 170

 45, 226, 175

 68, 226, 182

 90, 226, 188

 113, 226, 194

 136, 226, 201

 158, 226, 207

 181, 226, 214

 203, 226, 219

Harmonies

Analogous

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



0, 206, 11



0, 226, 163



0, 149, 236

Triad

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



0, 226, 163



0, 119, 255



255, 67, 156

Complementary

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



0, 226, 163



163, 0, 226

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, 84, 255



0, 226, 163



0, 110, 255

Square

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



0, 226, 163



0, 123, 255



254, 145, 255



255, 149, 60

Rectangle

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



0, 226, 163



0, 128, 239



254, 145, 255



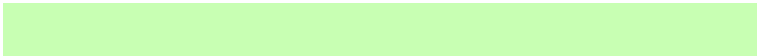
255, 61, 189

Sweetspot

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



0, 226, 163



179, 255, 234



89, 226, 0



82, 128, 116



0, 0, 0



128, 128, 128

Same Dimension

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



0, 226, 163



0, 255, 184



0, 186, 226



101, 112, 109



0, 176, 127



0, 48, 34

Inverse Universe

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



163, 0, 226



184, 0, 255



226, 0, 177



109, 101, 112



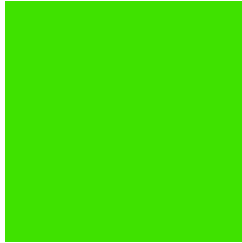
127, 0, 176



35, 0, 48

Previews

White Background



This preview shows how the RYB color 0, 226, 163 looks on a white background.

Color Contrast Check

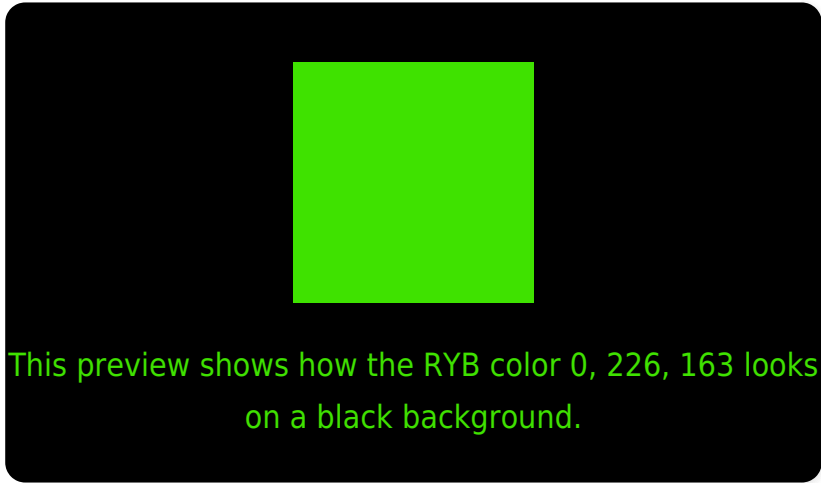
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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, 226, 163 Background



This preview shows how black text looks on a background with the RYB color 0, 226, 163.



This preview shows how white text looks on a background with the RYB color 0, 226, 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](#).

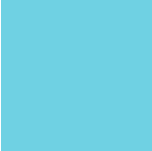
Dichromacy



Original Color
0, 226, 163

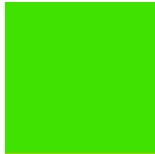
Protanopia
28, 220, 0

Deuteranopia
134, 245, 48



Tritanopia
111, 164, 227

Trichromacy



Original Color

0, 226, 163



Protanomaly

0, 206, 43



Deuteranomaly

31, 200, 52



Tritanomaly

94, 181, 216

Monochromacy



Original Color

0, 226, 163



Achromatopsia

151, 151, 151



Achromatomaly

96, 178, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 226, 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(63, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(63, 226, 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(63, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 226, 0) }
```

Border

The CSS property to change the border of an element to RYB 0, 226, 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(63, 226, 0) }
```

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

```
.border{ border-color:rgb(63, 226, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 226, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(63, 226, 0)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 226, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 226, 0) }
```

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

```
.background{ background-color: rgb(63, 226,  
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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