

Converting Colors

`RYB(0, 241, 163)`

Have a look what the booklet for
RYB(0, 241, 163) contains.

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Color

RYB(0, 241, 163)

Conversions

Conversions Part 1

Format	Color
Hex	4EF100
RGB	78, 241, 0
RGB Percent	31%, 95%, 0%
CMY	0.6941, 0.0549, 1.0000
CMYK	0.68, 0.00, 1.00, 0.05
HSL	101°, 100%, 47%
HSV	101°, 100%, 95%
XYZ	34.5972, 64.5303, 10.6321
YIQ	164.7890, -19.7870, -109.5070

Conversions

Conversions Part 2

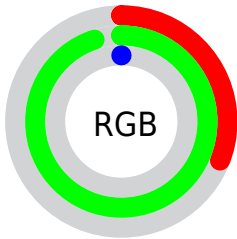
Format	Color
RYB	0, 241, 163
Decimal	5173504
CIELab	84.24, -75.07, 80.73
CIELCh	84, 110.242, 132.920
Yxy	64.5303, 0.3152, 0.5879
Android (android.graphics.Color)	4283363584 (0xFF4EF100)
YUV	164.7890, -81.2410, -76.1140
Hunter-Lab	80.3308, -63.7017, 48.3842

Details

The RYB color **0, 241, 163** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark saturated green. A complement of this color would be **163, 0, 241**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **90, 255, 197**, and **0, 183, 183** is the 20% darker color. If you saturate the color by 10%, you get **0, 241, 163**, and if you desaturate by 10%, it is **24, 241, 171**.

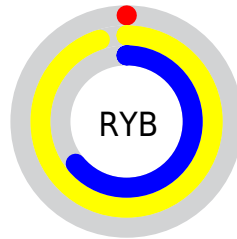
Distribution



Red (31%)

Green (95%)

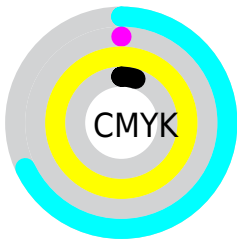
Blue (0%)



Red (0%)

Yellow (95%)

Blue (64%)

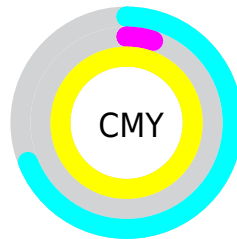


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (69%)


















Magenta (5%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 241, 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, 241, 163 by changing the saturation by 10% instead.

 0, 241, 163	 0, 241, 163
255, 255, 255	 0, 212, 187
 90, 255, 197	 0, 183, 183
 120, 255, 195	 0, 155, 155
 150, 255, 193	 0, 128, 128
 179, 255, 191	 0, 102, 102
 209, 255, 209	 0, 76, 76
 239, 255, 239	 0, 51, 51
	 0, 23, 23
	 0, 0, 0

 0, 241, 163

 24, 241, 171

 48, 241, 178

 72, 241, 186

 96, 241, 194

 120, 241, 202

 145, 241, 210

 169, 241, 218

 193, 241, 226

 217, 241, 233

Harmonies

Analogous

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



0, 220, 8



0, 241, 163



0, 160, 252

Triad

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



0, 241, 163



0, 123, 255



255, 76, 170

Complementary

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



0, 241, 163



163, 0, 241

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, 241, 163



0, 115, 255

Square

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



0, 241, 163



0, 127, 255



255, 158, 255



255, 160, 69

Rectangle

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



0, 241, 163



0, 137, 255



255, 158, 255



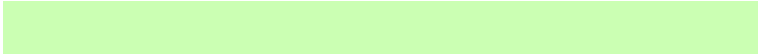
255, 71, 205

Sweetspot

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



0, 241, 163



179, 255, 231



120, 241, 0



82, 128, 114



0, 0, 0



128, 128, 128

Same Dimension

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



0, 241, 163



0, 255, 172



0, 207, 241



108, 120, 116



0, 184, 125



0, 56, 38

Inverse Universe

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



163, 0, 241



172, 0, 255



241, 0, 201



116, 108, 120



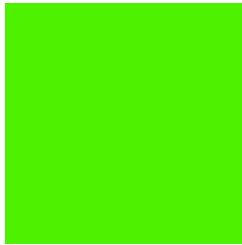
124, 0, 184



38, 0, 56

Previews

White Background



This preview shows how the RYB color 0, 241, 163 looks on a white background.

Color Contrast Check

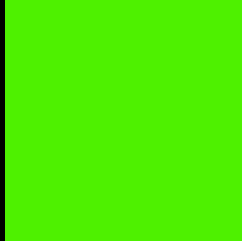
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 0, 241, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

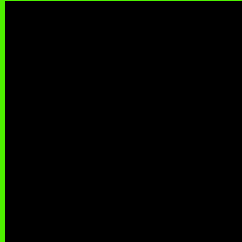
Any Text WCAG AA ✓ Pass

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, 241, 163 Background



This preview shows how black text looks on a background with the RYB color 0, 241, 163.



This preview shows how white text looks on a background with the RYB color 0, 241, 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, 241, 163

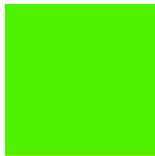
Protanopia
29, 235, 0

Deuteranopia
182, 255, 96



Tritanopia
124, 178, 242

Trichromacy



Original Color

0, 241, 163



Protanomaly

0, 221, 43



Deuteranomaly

61, 214, 84



Tritanomaly

107, 196, 230

Monochromacy



Original Color

0, 241, 163



Achromatopsia

165, 165, 165



Achromatomaly

105, 193, 165

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 241, 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(78, 241, 0)` looks like.

```
.text, #text, p{  
    color:rgb(78, 241, 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(78, 241, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 241, 0) }
```

Border

The CSS property to change the border of an element to RYB 0, 241, 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(78, 241, 0) }
```

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

```
.border{ border-color:rgb(78, 241, 0) }
```

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

Here you see how a box with a 4 pixel rgb(78, 241, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 241, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 241, 0);  
box-shadow:4px 4px 4px 4px rgb(78, 241, 0)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 241, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 241, 0) }
```

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

```
.background{ background-color: rgb(78, 241,  
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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