

Converting Colors

`RYB(0, 245, 183)`

Have a look what the booklet for
RYB(0, 245, 183) contains.

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Color

RYB(0, 245, 183)

Conversions

Conversions Part 1

Format	Color
Hex	3EF500
RGB	62, 245, 0
RGB Percent	24%, 96%, 0%
CMY	0.7569, 0.0392, 1.0000
CMYK	0.75, 0.00, 1.00, 0.04
HSL	105°, 100%, 48%
HSV	105°, 100%, 96%
XYZ	34.6390, 66.3289, 10.9771
YIQ	162.3530, -30.4230, -114.9910

Conversions

Conversions Part 2

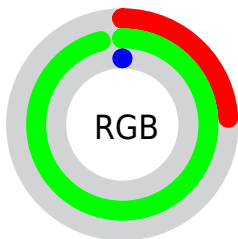
Format	Color
RYB	0, 245, 183
Decimal	4125952
CIELab	85.16, -78.91, 81.34
CIELCh	85, 113.322, 134.131
Yxy	66.3289, 0.3094, 0.5925
Android (android.graphics.Color)	4282316032 (0xFF3EF500)
YUV	162.3530, -80.0400, -88.0096
Hunter-Lab	81.4426, -66.6052, 49.0185

Details

The RYB color **0, 245, 183** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **183, 0, 245**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **90, 255, 207**, and **0, 187, 187** is the 20% darker color. If you saturate the color by 10%, you get **0, 245, 183**, and if you desaturate by 10%, it is **24, 245, 189**.

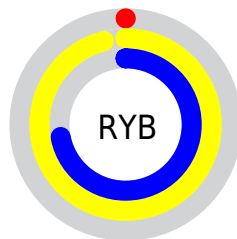
Distribution



Red (24%)

Green (96%)

Blue (0%)



Red (0%)

Yellow (96%)

Blue (72%)

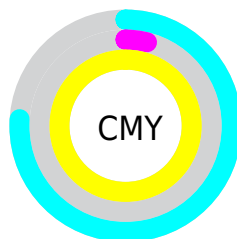


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (76%)

Magenta (4%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 245, 183 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, 245, 183 by changing the saturation by 10% instead.

 0, 245, 183

255, 255, 255

 90, 255, 207

 121, 255, 205

 151, 255, 203

 180, 255, 200

 210, 255, 210

 240, 255, 240

 0, 245, 183

 0, 216, 216

 0, 187, 187

 0, 159, 159

 0, 131, 131

 0, 105, 105

 0, 78, 78

 0, 54, 54

 0, 27, 27

 0, 0, 0

 0, 245, 183

 24, 245, 189

 49, 245, 195

 74, 245, 202

 98, 245, 208

 123, 245, 214

 147, 245, 220

 171, 245, 226

 196, 245, 233

 221, 245, 239

Harmonies

Analogous

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



0, 224, 15



0, 245, 183



0, 161, 255

Triad

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



0, 245, 183



0, 124, 255



255, 71, 167

Complementary

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



0, 245, 183



183, 0, 245

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, 89, 255



0, 245, 183



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, 245, 183



0, 128, 255



255, 156, 255



255, 169, 62

Rectangle

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



0, 245, 183



0, 135, 255



255, 156, 255



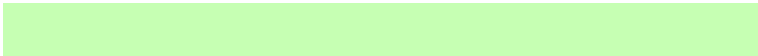
255, 64, 203

Sweetspot

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



0, 245, 183



179, 255, 236



88, 245, 0



82, 128, 117



0, 0, 0



128, 128, 128

Same Dimension

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



0, 245, 183



0, 255, 190



0, 199, 245



110, 122, 119



0, 186, 139



0, 59, 44

Inverse Universe

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



183, 0, 245



190, 0, 255



245, 0, 188



119, 110, 122



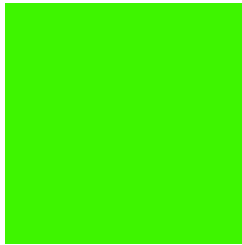
139, 0, 186



44, 0, 59

Previews

White Background



This preview shows how the RYB color 0, 245, 183 looks on a white background.

Color Contrast Check

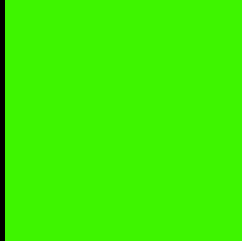
Large Text (above 18pt) WCAG AA × Fail

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, 245, 183 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

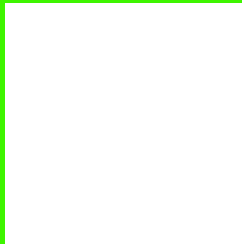
Any Text WCAG AAA ✓ Pass

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

RYB 0, 245, 183 Background



This preview shows how black text looks on a background with the RYB color 0, 245, 183.



This preview shows how white text looks on a background with the RYB color 0, 245, 183.

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](#).

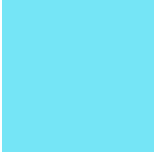
Dichromacy



Original Color
0, 245, 183

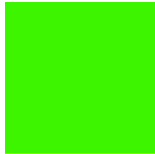
Protanopia
30, 238, 0

Deuteranopia
194, 255, 110



Tritanopia
117, 177, 246

Trichromacy



Original Color

0, 245, 183



Protanomaly

0, 223, 49



Deuteranomaly

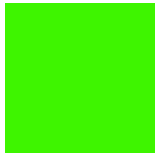
70, 218, 103



Tritanomaly

97, 192, 234

Monochromacy



Original Color

0, 245, 183



Achromatopsia

162, 162, 162



Achromatomaly

103, 192, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 245, 183 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(62, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(62, 245, 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(62, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 245, 0) }
```

Border

The CSS property to change the border of an element to RYB 0, 245, 183 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(62, 245, 0) }
```

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

```
.border{ border-color:rgb(62, 245, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 245, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(62, 245, 0)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 245, 183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 245, 0) }
```

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

```
.background{ background-color: rgb(62, 245,  
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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