

Converting Colors

RGB(13, 143, 46)

Have a look what the booklet for
RGB(13, 143, 46) contains.

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Color

RGB(13, 143, 46)

Conversions

Conversions Part 1

Format	Color
Hex	0D8F2E
RGB	13, 143, 46
RGB Percent	5%, 56%, 18%
CMY	0.9490, 0.4392, 0.8196
CMYK	0.91, 0.00, 0.68, 0.44
HSL	135°, 83%, 31%
HSV	135°, 91%, 56%
XYZ	10.4816, 19.9277, 5.8788
YIQ	93.0720, -46.3430, -57.7270

Conversions

Conversions Part 2

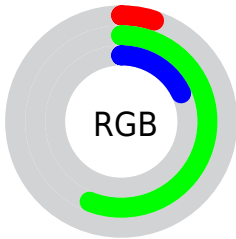
Format	Color
RYB	13, 117, 143
Decimal	888622
CIELab	51.76, -52.28, 41.23
CIELCh	52, 66.578, 141.739
Yxy	19.9277, 0.2888, 0.5492
Android (android.graphics.Color)	4279078702 (0xFF0D8F2E)
YUV	93.0720, -23.2065, -70.2231
Hunter-Lab	44.6405, -36.2091, 23.4404

Details

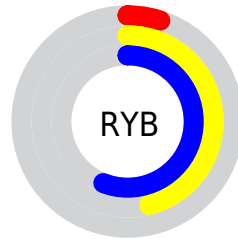
The RGB color **13, 143, 46** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **143, 13, 110**, and the grayscale version is **93, 93, 93**.

A 20% lighter version of the original color is **88, 198, 96**, and **0, 91, 0** is the 20% darker color. If you saturate the color by 10%, you get **0, 143, 36**, and if you desaturate by 10%, it is **27, 143, 57**.

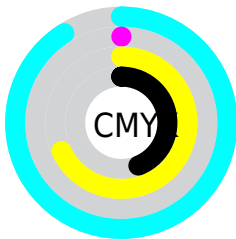
Distribution



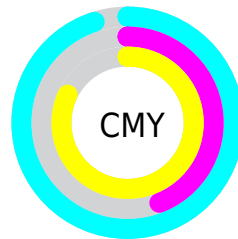
- Red (5%)
- Green (56%)
- Blue (18%)



- Red (5%)
- Yellow (46%)
- Blue (56%)



- Cyan (91%)
- Magenta (0%)
- Yellow (68%)
- Black (44%)



- Cyan (95%)
- Magenta (44%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the RGB color 13, 143, 46 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 13, 143, 46 by changing the saturation by 10% instead.



13, 143, 46



13, 143, 46

255, 255, 255



0, 117, 19



88, 198, 96



0, 91, 0



117, 226, 122



0, 66, 0



146, 255, 149



0, 44, 0



175, 255, 176



0, 12, 0



205, 255, 204



0, 0, 0



234, 255, 233



13, 143, 46



13, 143, 46



0, 143, 36



27, 143, 57

■ 42, 143, 67

■ 56, 143, 78

■ 70, 143, 89

■ 85, 143, 99

■ 99, 143, 110

■ 113, 143, 121

■ 127, 143, 131

■ 142, 143, 142

Harmonies

Analogous

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



109, 133, 0



13, 143, 46



0, 148, 105

Triad

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



13, 143, 46



0, 135, 237



222, 64, 85

Complementary

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



13, 143, 46



143, 13, 110

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.



216, 61, 142



13, 143, 46



84, 115, 230

Square

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



13, 143, 46



0, 145, 212



176, 87, 195



202, 90, 31

Rectangle

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



13, 143, 46



0, 149, 145



176, 87, 195



224, 59, 104

Sweetspot

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



13, 143, 46



136, 186, 149



111, 143, 13



64, 94, 72



222, 222, 222



94, 94, 94

Same Dimension

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



13, 143, 46



0, 186, 47



13, 143, 111



64, 71, 66



0, 135, 34



0, 8, 2

Inverse Universe

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



143, 13, 110



186, 0, 139



143, 13, 46



71, 64, 70



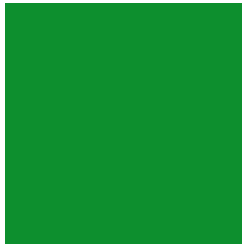
135, 0, 101



8, 0, 6

Previews

White Background



This preview shows how the RGB color 13, 143, 46 looks on a white background.

Color Contrast Check

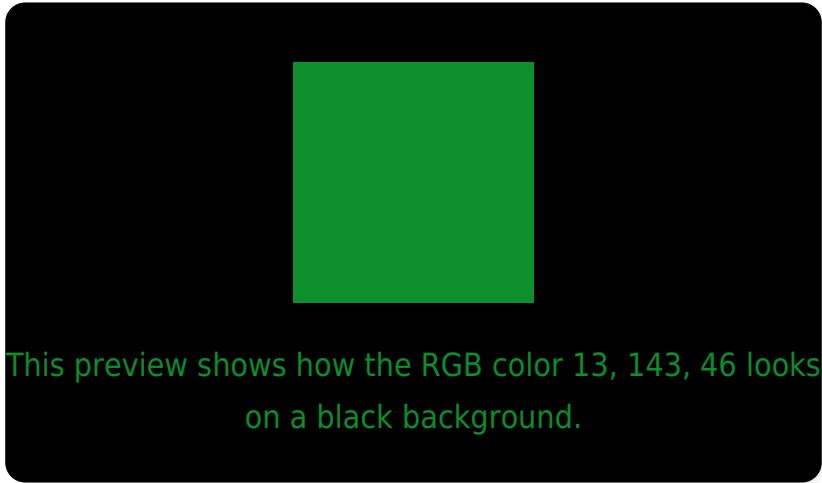
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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

RGB 13, 143, 46 Background



This preview shows how black text looks on a background with the RGB color 13, 143, 46.



This preview shows how white text looks on a background with the RGB color 13, 143, 46.

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

[13, 143, 46](#)

Protanopia

[137, 123, 41](#)

Deuteranopia

[152, 117, 55](#)



Tritanopia
59, 134, 144

Trichromacy



Original Color

13, 143, 46



Protanomaly

92, 130, 43



Deuteranomaly

101, 126, 52



Tritanomaly

42, 137, 108

Monochromacy



Original Color

13, 143, 46



Achromatopsia

93, 93, 93



Achromatomaly

64, 111, 76

CSS Examples

Text

The CSS property to change the color of the text to RGB 13, 143, 46 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(13, 143, 46)` looks like.

```
.text, #text, p{  
    color:rgb(13, 143, 46)  
}
```

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(13, 143, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 143, 46) }
```

Border

The CSS property to change the border of an element to RGB 13, 143, 46 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(13, 143, 46) }
```

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

```
.border{ border-color:rgb(13, 143, 46) }
```

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

Here you see how a box with a 4 pixel rgb(13, 143, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 143, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 143, 46);  
box-shadow:4px 4px 4px 4px rgb(13, 143,  
46) }
```

Background

The CSS property to change the background color of an element to RGB 13, 143, 46 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 143, 46) }
```

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

```
.background{ background-color: rgb(13, 143,  
46) }
```

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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