

Converting Colors

RGB(44, 118, 46)

Have a look what the booklet for
RGB(44, 118, 46) contains.

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Color

RGB(44, 118, 46)

Conversions

Conversions Part 1

Format	Color
Hex	2C762E
RGB	44, 118, 46
RGB Percent	17%, 46%, 18%
CMY	0.8275, 0.5373, 0.8196
CMYK	0.63, 0.00, 0.61, 0.54
HSL	122°, 46%, 32%
HSV	122°, 63%, 46%
XYZ	8.0103, 13.6896, 4.8049
YIQ	87.6660, -20.9920, -38.0800

Conversions

Conversions Part 2

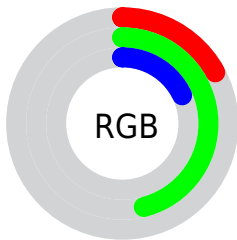
Format	Color
RYB	44, 116, 118
Decimal	2913838
CIELab	43.78, -38.48, 32.40
CIElCh	44, 50.300, 139.899
Yxy	13.6896, 0.3022, 0.5165
Android (android.graphics.Color)	4281103918 (0xFF2C762E)
YUV	87.6660, -20.5413, -38.2951
Hunter-Lab	36.9995, -26.1043, 18.1999

Details

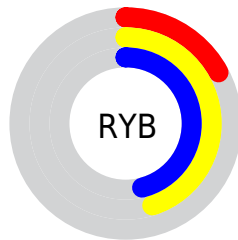
The RGB color **44, 118, 46** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **118, 44, 116**, and the grayscale version is **88, 88, 88**.

A 20% lighter version of the original color is **98, 171, 94**, and **0, 68, 0** is the 20% darker color. If you saturate the color by 10%, you get **32, 118, 35**, and if you desaturate by 10%, it is **56, 118, 57**.

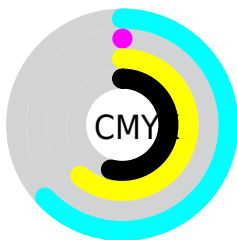
Distribution



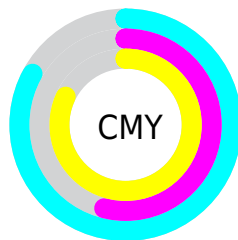
- Red (17%)
- Green (46%)
- Blue (18%)



- Red (17%)
- Yellow (45%)
- Blue (46%)



- Cyan (63%)
- Magenta (0%)
- Yellow (61%)
- Black (54%)



- Cyan (83%)
- Magenta (54%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the RGB color 44, 118, 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 44, 118, 46 by changing the saturation by 10% instead.



44, 118, 46



44, 118, 46

255, 255, 255



9, 93, 22



98, 171, 94



0, 68, 0



125, 199, 120



0, 46, 0



153, 227, 146



0, 22, 0



181, 255, 173



0, 0, 0



209, 255, 201



238, 255, 229



44, 118, 46



44, 118, 46



32, 118, 35



56, 118, 57

■ 20, 118, 23

■ 68, 118, 69

■ 9, 118, 12

■ 79, 118, 80

■ 0, 118, 3

■ 91, 118, 92

■ 103, 118, 103

■ 115, 118, 115

■ 127, 118, 126

■ 138, 118, 138

■ 150, 118, 149

Harmonies

Analogous

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



98, 110, 10



44, 118, 46



0, 122, 87

Triad

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



44, 118, 46



0, 112, 186



178, 64, 78

Complementary

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



44, 118, 46



118, 44, 116

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.



171, 64, 119



44, 118, 46



75, 98, 182

Square

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



44, 118, 46



0, 120, 167



140, 80, 158



164, 79, 40

Rectangle

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



44, 118, 46



0, 123, 117



140, 80, 158



178, 62, 91

Sweetspot

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



44, 118, 46



124, 153, 125



117, 118, 44



59, 77, 59



204, 204, 204



77, 77, 77

Same Dimension

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



44, 118, 46



38, 153, 41



44, 118, 82



53, 59, 53



0, 122, 3



0, 250, 7

Inverse Universe

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



118, 44, 116



153, 38, 150



118, 44, 80



59, 53, 58



122, 0, 119



250, 0, 243

Previews

White Background



This preview shows how the RGB color 44, 118, 46 looks on a white background.

Color Contrast Check

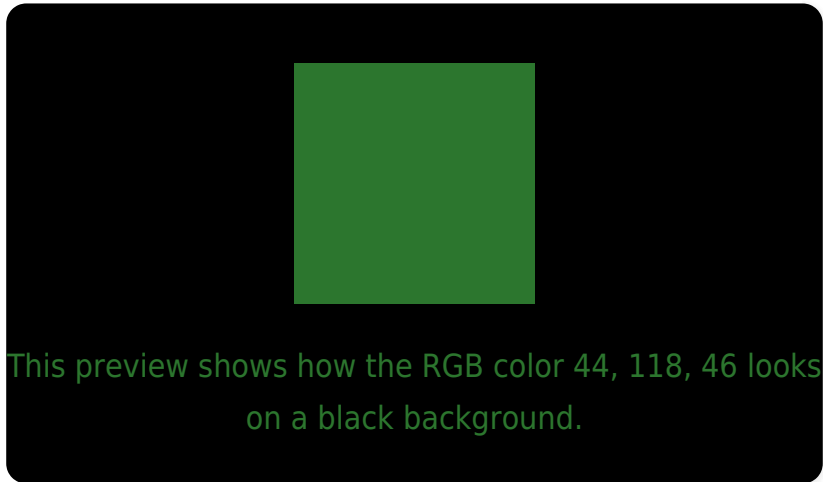
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

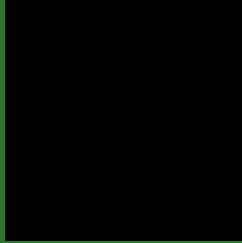
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RGB 44, 118, 46 Background



This preview shows how black text looks on a background with the RGB color 44, 118, 46.



This preview shows how white text looks on a background with the RGB color 44, 118, 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

[44](#), [118](#), [46](#)

Protanopia

[115](#), [103](#), [42](#)

Deuteranopia

[127](#), [98](#), [52](#)



Tritanopia
62, 111, 120

Trichromacy



Original Color

44, 118, 46

Protanomaly

89, 108, 43

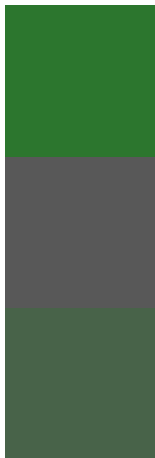
Deuteranomaly

97, 105, 50

Tritanomaly

55, 114, 93

Monochromacy



Original Color

44, 118, 46

Achromatopsia

88, 88, 88

Achromatomaly

72, 99, 73

CSS Examples

Text

The CSS property to change the color of the text to RGB 44, 118, 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(44, 118, 46)` looks like.

```
.text, #text, p{  
    color:rgb(44, 118, 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(44, 118, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 118, 46) }
```

Border

The CSS property to change the border of an element to RGB 44, 118, 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(44, 118, 46) }
```

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

```
.border{ border-color:rgb(44, 118, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 118, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 118, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 118, 46);  
box-shadow:4px 4px 4px 4px rgb(44, 118,  
46) }
```

Background

The CSS property to change the background color of an element to RGB 44, 118, 46 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 118, 46) }
```

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

```
.background{ background-color: rgb(44, 118,  
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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