

Converting Colors

RGB(46, 140, 113)

Have a look what the booklet for
RGB(46, 140, 113) contains.

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Color

RGB(46, 140, 113)

Conversions

Conversions Part 1

Format	Color
Hex	2E8C71
RGB	46, 140, 113
RGB Percent	18%, 55%, 44%
CMY	0.8196, 0.4510, 0.5569
CMYK	0.67, 0.00, 0.19, 0.45
HSL	163°, 51%, 36%
HSV	163°, 67%, 55%
XYZ	13.4854, 20.5293, 18.8746
YIQ	108.8160, -47.3570, -28.3250

Conversions

Conversions Part 2

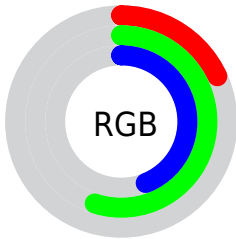
Format	Color
RYB	46, 101, 140
Decimal	3050609
CIELab	52.43, -34.18, 6.47
CIElCh	52, 34.783, 169.283
Yxy	20.5293, 0.2550, 0.3882
Android (android.graphics.Color)	4281240689 (0xFF2E8C71)
YUV	108.8160, 2.0627, -55.0896
Hunter-Lab	45.3092, -26.1640, 7.0179

Details

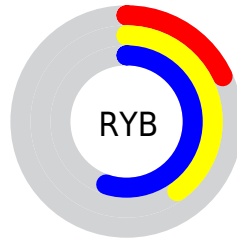
The RGB color **46, 140, 113** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **140, 46, 73**, and the grayscale version is **109, 109, 109**.

A 20% lighter version of the original color is **104, 194, 165**, and **0, 89, 65** is the 20% darker color. If you saturate the color by 10%, you get **32, 140, 109**, and if you desaturate by 10%, it is **60, 140, 117**.

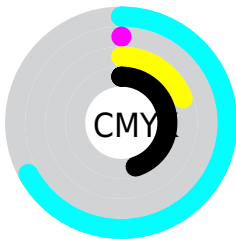
Distribution



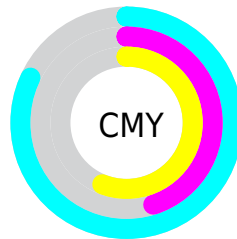
- Red (18%)
- Green (55%)
- Blue (44%)



- Red (18%)
- Yellow (40%)
- Blue (55%)



- Cyan (67%)
- Magenta (0%)
- Yellow (19%)
- Black (45%)



- Cyan (82%)
- Magenta (45%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RGB color 46, 140, 113 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 46, 140, 113 by changing the saturation by 10% instead.



46, 140, 113



46, 140, 113

255, 255, 255



3, 114, 89



104, 194, 165



0, 89, 65



131, 222, 192



0, 65, 43



159, 251, 220



0, 42, 23



188, 255, 248



0, 16, 0



217, 255, 255



0, 0, 0



246, 255, 255



46, 140, 113



46, 140, 113



32, 140, 109



60, 140, 117

■ 18, 140, 105

■ 74, 140, 121

■ 4, 140, 101

■ 88, 140, 125

■ 0, 140, 100

■ 102, 140, 129

■ 116, 140, 133

■ 130, 140, 137

■ 144, 140, 141

■ 158, 140, 145

■ 172, 140, 149

Harmonies

Analogous

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



90, 136, 85



46, 140, 113



0, 141, 144

Triad

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



46, 140, 113



112, 121, 181



174, 109, 81

Complementary

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



46, 140, 113



140, 46, 73

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.



182, 102, 107



46, 140, 113



152, 110, 164

Square

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



46, 140, 113



54, 131, 183



176, 102, 137



153, 120, 66

Rectangle

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



46, 140, 113



0, 139, 162



176, 102, 137



178, 106, 89

Sweetspot

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



46, 140, 113



145, 181, 171



74, 140, 46



70, 92, 85



219, 219, 219



92, 92, 92

Same Dimension

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



46, 140, 113



34, 181, 139



46, 121, 140



62, 69, 67



0, 133, 95



0, 5, 4

Inverse Universe

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



140, 46, 73



181, 34, 77



140, 65, 46



69, 62, 64



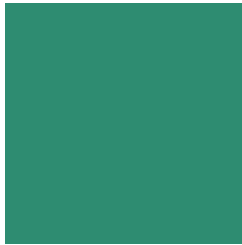
133, 0, 38



5, 0, 1

Previews

White Background



This preview shows how the RGB color 46, 140, 113 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



This preview shows how the RGB color 46, 140, 113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

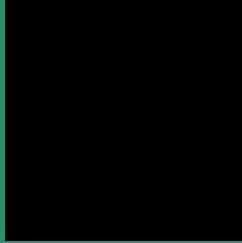
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RGB 46, 140, 113 Background



This preview shows how black text looks on a background with the RGB color 46, 140, 113.



This preview shows how white text looks on a background with the RGB color 46, 140, 113.

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





Tritanopia
60, 135, 146

Trichromacy



Original Color
46, 140, 113

Protanomaly
100, 130, 108

Deuteranomaly
105, 127, 116

Tritanomaly
55, 137, 134

Monochromacy



Original Color
46, 140, 113

Achromatopsia
109, 109, 109

Achromatomaly
86, 120, 110

CSS Examples

Text

The CSS property to change the color of the text to RGB 46, 140, 113 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(46, 140, 113)` looks like.

```
.text, #text, p{  
    color:rgb(46, 140, 113)  
}
```

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(46, 140, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 140, 113) }
```

Border

The CSS property to change the border of an element to RGB 46, 140, 113 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(46, 140, 113) }
```

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

```
.border{ border-color:rgb(46, 140, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 140, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 140, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 140, 113);  
box-shadow:4px 4px 4px 4px rgb(46, 140,  
113) }
```

Background

The CSS property to change the background color of an element to RGB 46, 140, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 140, 113) }
```

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

```
.background{ background-color: rgb(46, 140,  
113) }
```

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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