

Converting Colors

RGB(42, 142, 115)

Have a look what the booklet for
RGB(42, 142, 115) contains.

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Color

RGB(42, 142, 115)

Conversions

Conversions Part 1

Format	Color
Hex	2A8E73
RGB	42, 142, 115
RGB Percent	16%, 56%, 45%
CMY	0.8353, 0.4431, 0.5490
CMYK	0.70, 0.00, 0.19, 0.44
HSL	164°, 54%, 36%
HSV	164°, 70%, 56%
XYZ	13.7224, 21.0760, 19.5645
YIQ	109.0220, -50.9330, -29.5970

Conversions

Conversions Part 2

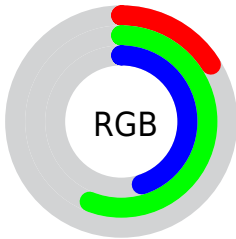
Format	Color
R_{YB}	42, 100, 142
Decimal	2788979
CIE _{Lab}	53.03, -35.25, 6.16
CIE _{LCh}	53, 35.788, 170.083
Yxy	21.0760, 0.2524, 0.3877
Android (android.graphics.Color)	4280979059 (0xFF2A8E73)
YUV	109.0220, 2.9472, -58.7783
Hunter-Lab	45.9087, -26.9855, 6.8690

Details

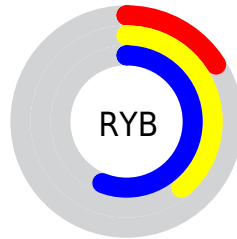
The RGB color **42, 142, 115** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **142, 42, 69**, and the grayscale version is **109, 109, 109**.

A 20% lighter version of the original color is **101, 196, 167**, and **0, 91, 67** is the 20% darker color. If you saturate the color by 10%, you get **28, 142, 111**, and if you desaturate by 10%, it is **56, 142, 119**.

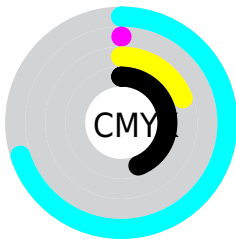
Distribution



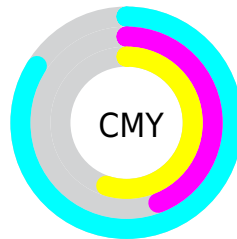
- Red (16%)
- Green (56%)
- Blue (45%)



- Red (16%)
- Yellow (39%)
- Blue (56%)



- Cyan (70%)
- Magenta (0%)
- Yellow (19%)
- Black (44%)



- Cyan (84%)
- Magenta (44%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RGB color 42, 142, 115 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 42, 142, 115 by changing the saturation by 10% instead.



42, 142, 115



42, 142, 115

255, 255, 255



0, 116, 90



101, 196, 167



0, 91, 67



129, 225, 194



0, 67, 45



158, 253, 222



0, 44, 24



186, 255, 251



0, 19, 0



215, 255, 255



0, 0, 0



245, 255, 255



42, 142, 115



42, 142, 115



28, 142, 111



56, 142, 119

■ 14, 142, 107

■ 70, 142, 123

■ 0, 142, 104

■ 85, 142, 127

■ 99, 142, 130

■ 113, 142, 134

■ 127, 142, 138

■ 141, 142, 142

■ 156, 142, 146

■ 170, 142, 150

Harmonies

Analogous

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



90, 138, 86



42, 142, 115



0, 143, 147

Triad

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



42, 142, 115



114, 122, 184



176, 110, 81

Complementary

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



42, 142, 115



142, 42, 69

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.



186, 103, 107



42, 142, 115



155, 111, 166

Square

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



42, 142, 115



54, 133, 187



179, 103, 138



155, 121, 65

Rectangle

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



42, 142, 115



0, 141, 165



179, 103, 138



181, 107, 88

Sweetspot

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



42, 142, 115



145, 184, 173



70, 142, 42



69, 92, 86



219, 219, 219



92, 92, 92

Same Dimension

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



42, 142, 115



28, 184, 141



42, 120, 142



64, 71, 69



0, 135, 99



0, 8, 6

Inverse Universe

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



142, 42, 69



184, 28, 70



142, 64, 42



71, 64, 66



135, 0, 36



8, 0, 2

Previews

White Background



This preview shows how the RGB color 42, 142, 115 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 42, 142, 115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

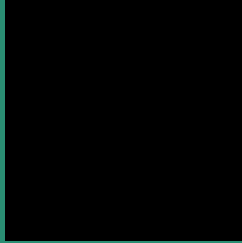
Any Text WCAG AA ✓ Pass

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 42, 142, 115 Background



This preview shows how black text looks on a background with the RGB color 42, 142, 115.



This preview shows how white text looks on a background with the RGB color 42, 142, 115.

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
42, 142, 115

Protanopia
132, 125, 107

Deuteranopia
140, 122, 119



Tritanopia
58, 137, 149

Trichromacy



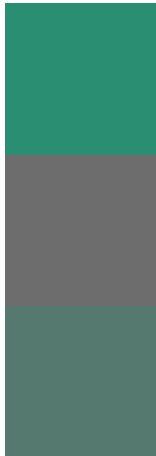
Original Color
42, 142, 115

Protanomaly
99, 131, 110

Deuteranomaly
104, 129, 118

Tritanomaly
52, 139, 137

Monochromacy



Original Color
42, 142, 115

Achromatopsia
109, 109, 109

Achromatomaly
85, 121, 111

CSS Examples

Text

The CSS property to change the color of the text to RGB 42, 142, 115 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(42, 142, 115)` looks like.

```
.text, #text, p{  
    color:rgb(42, 142, 115)  
}
```

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(42, 142, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 142, 115) }
```

Border

The CSS property to change the border of an element to RGB 42, 142, 115 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(42, 142, 115) }
```

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

```
.border{ border-color:rgb(42, 142, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 142, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 142, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 142, 115);  
box-shadow:4px 4px 4px 4px rgb(42, 142,  
115) }
```

Background

The CSS property to change the background color of an element to RGB 42, 142, 115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 142, 115) }
```

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

```
.background{ background-color: rgb(42, 142,  
115) }
```

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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