

Converting Colors

`RYB(42, 127, 136)`

Have a look what the booklet for
RYB(42, 127, 136) contains.

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Color

`RYB(42, 127, 136)`

Conversions

Conversions Part 1

Format	Color
Hex	2A8834
RGB	42, 136, 52
RGB Percent	16%, 53%, 20%
CMY	0.8353, 0.4667, 0.7963
CMYK	0.69, 0.00, 0.62, 0.47
HSL	126°, 53%, 35%
HSV	126°, 69%, 53%
XYZ	10.3778, 18.3481, 6.2378
YIQ	98.3180, -29.0600, -46.0520

Conversions

Conversions Part 2

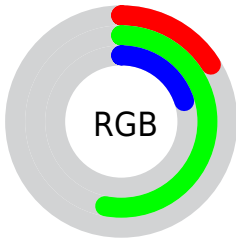
Format	Color
RYB	42, 127, 136
Decimal	2787380
CIELab	49.92, -45.14, 36.55
CIELCh	50, 58.081, 141.005
Yxy	18.3481, 0.2968, 0.5248
Android (android.graphics.Color)	4280977460 (0xFF2A8834)
YUV	98.3180, -22.8348, -49.3909
Hunter-Lab	42.8346, -31.7145, 21.3501

Details

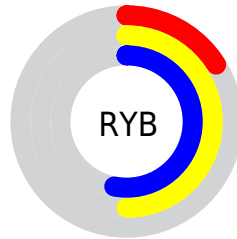
The RYB color **42, 127, 136** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **136, 42, 126**, and the grayscale version is **99, 99, 99**.

A 20% lighter version of the original color is **100, 188, 190**, and **0, 85, 85** is the 20% darker color. If you saturate the color by 10%, you get **28, 125, 136**, and if you desaturate by 10%, it is **56, 129, 136**.

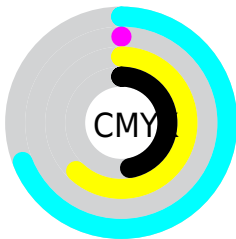
Distribution



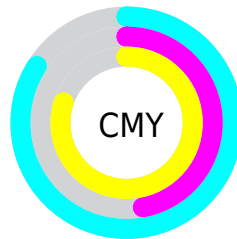
- Red (16%)
- Green (53%)
- Blue (20%)



- Red (16%)
- Yellow (50%)
- Blue (53%)



- Cyan (69%)
- Magenta (0%)
- Yellow (62%)
- Black (47%)





- Cyan (84%)
- Magenta (47%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RYB color 42, 127, 136 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 42, 127, 136 by changing the saturation by 10% instead.


 42, 127, 136

 42, 127, 136


255, 255, 255

 0, 88, 110

 100, 188, 190

 0, 85, 85

 127, 218, 217

 0, 61, 61

 154, 247, 245


 0, 40, 40


 181, 255, 251


 0, 0, 0


 209, 255, 250

 238, 255, 250

 42, 127, 136

 42, 127, 136

 28, 125, 136

 56, 129, 136

■ 15, 124, 136

■ 69, 130, 136

■ 1, 123, 136

■ 83, 131, 136

■ 0, 123, 136

■ 96, 132, 136

■ 110, 133, 136

■ 124, 135, 136

■ 137, 136, 137

■ 151, 136, 149

■ 164, 136, 161

Harmonies

Analogous

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



2, 127, 20



42, 127, 136



0, 82, 141

Triad

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



42, 127, 136



0, 81, 217



206, 71, 86

Complementary

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



42, 127, 136



136, 42, 126

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.



199, 70, 136



42, 127, 136



87, 108, 212

Square

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



42, 127, 136



0, 81, 195



163, 89, 182



189, 113, 42

Rectangle

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



42, 127, 136



0, 73, 142



163, 89, 182



207, 68, 103

Sweetspot

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



42, 127, 136



139, 172, 176



42, 136, 51



67, 87, 89



217, 217, 217



89, 89, 89

Same Dimension

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



42, 127, 136



30, 162, 176



42, 101, 136



62, 68, 69



0, 120, 133



0, 4, 5

Inverse Universe

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



136, 42, 126



176, 30, 160



136, 42, 80



69, 62, 68



133, 0, 119



5, 0, 5

Previews

White Background



This preview shows how the RYB color 42, 127, 136 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



This preview shows how the RYB color 42, 127, 136 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, 127, 136 Background



This preview shows how black text looks on a background with the RGB color 42, 127, 136.



This preview shows how white text looks on a background with the RGB color 42, 127, 136.

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, 127, 136

Protanopia
64, 132, 47

Deuteranopia
113, 145, 59



Tritanopia
67, 100, 138

Trichromacy



Original Color
42, 127, 136

Protanomaly
49, 125, 75

Deuteranomaly
56, 121, 69

Tritanomaly
58, 101, 130

Monochromacy



Original Color
42, 127, 136

Achromatopsia
98, 98, 98

Achromatomaly
78, 109, 112

CSS Examples

Text

The CSS property to change the color of the text to RYB 42, 127, 136 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, 136, 52)` looks like.

```
.text, #text, p{  
    color:rgb(42, 136, 52)  
}
```

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, 136, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 136, 52) }
```

Border

The CSS property to change the border of an element to RYB 42, 127, 136 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, 136, 52) }
```

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

```
.border{ border-color:rgb(42, 136, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 136, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 136, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 136, 52);  
box-shadow:4px 4px 4px 4px rgb(42, 136,  
52) }
```

Background

The CSS property to change the background color of an element to RYB 42, 127, 136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 136, 52) }
```

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

```
.background{ background-color: rgb(42, 136,  
52) }
```

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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