

Converting Colors

`RYB(42, 127, 175)`

Have a look what the booklet for
RYB(42, 127, 175) contains.

RYB(42, 127, 175)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(42, 127, 175)

Conversions

Conversions Part 1

Format	Color
Hex	2AAF75
RGB	42, 175, 117
RGB Percent	16%, 69%, 46%
CMY	0.8353, 0.3137, 0.5408
CMYK	0.76, 0.00, 0.33, 0.31
HSL	154°, 61%, 43%
HSV	154°, 76%, 69%
XYZ	19.5019, 32.4390, 22.0958
YIQ	128.6210, -60.6500, -46.2340

Conversions

Conversions Part 2

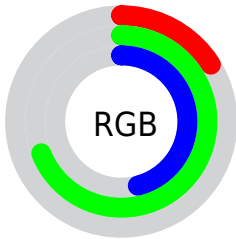
Format	Color
RYB	42, 127, 175
Decimal	2797429
CIELab	63.70, -48.65, 19.89
CIELCh	64, 52.556, 157.760
Yxy	32.4390, 0.2634, 0.4381
Android (android.graphics.Color)	4280987509 (0xFF2AAF75)
YUV	128.6210, -5.7292, -75.9666
Hunter-Lab	56.9553, -38.5519, 16.8672

Details

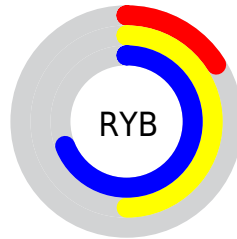
The RYB color **42, 127, 175** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **175, 42, 100**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **108, 191, 232**, and **0, 77, 121** is the 20% darker color. If you saturate the color by 10%, you get **25, 121, 175**, and if you desaturate by 10%, it is **59, 133, 175**.

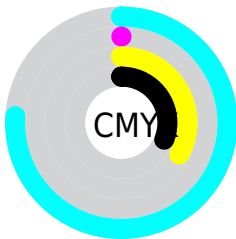
Distribution



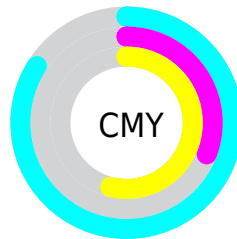
- Red (16%)
- Green (69%)
- Blue (46%)



- Red (16%)
- Yellow (50%)
- Blue (69%)



- Cyan (76%)
- Magenta (0%)
- Yellow (33%)
- Black (31%)




- Cyan (84%)
- Magenta (31%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 42, 127, 175 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, 175 by changing the saturation by 10% instead.

 42, 127, 175

255, 255, 255


 108, 191, 232

 137, 215, 255

 167, 220, 255

 196, 226, 255

 226, 241, 255

 42, 127, 175

 0, 91, 148

 0, 77, 121


 0, 65, 96


 0, 53, 71

 0, 48, 48

 0, 21, 21

 0, 0, 0

 42, 127, 175

 25, 121, 175

 42, 127, 175

 59, 133, 175

■ 7, 114, 175

■ 77, 140, 175

■ 0, 112, 175

■ 95, 146, 175

■ 112, 152, 175

■ 130, 159, 175

■ 147, 165, 175

■ 164, 171, 175

■ 182, 175, 178

■ 200, 175, 186

Harmonies

Analogous

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



77, 168, 126



42, 127, 175



0, 92, 178

Triad

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



42, 127, 175



90, 136, 247



235, 127, 99

Complementary

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



42, 127, 175



175, 42, 100

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.



241, 113, 144



42, 127, 175



173, 137, 229

Square

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



42, 127, 175



0, 99, 240



221, 119, 191



203, 209, 66

Rectangle

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



42, 127, 175



0, 93, 197



221, 119, 191



239, 117, 113

Sweetspot

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



42, 127, 175



175, 208, 227



42, 175, 115



83, 103, 115



242, 242, 242



115, 115, 115

Same Dimension

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



42, 127, 175



20, 152, 227



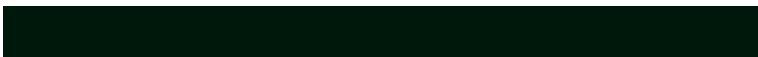
42, 107, 175



78, 84, 87



0, 96, 150



0, 15, 23

Inverse Universe

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



175, 42, 100



227, 20, 110



175, 49, 42



87, 78, 82



150, 0, 65



23, 0, 10

Previews

White Background



This preview shows how the RYB color 42, 127, 175 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 42, 127, 175 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 ✓ Pass

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

RGB 42, 127, 175 Background



This preview shows how black text looks on a background with the RGB color 42, 127, 175.

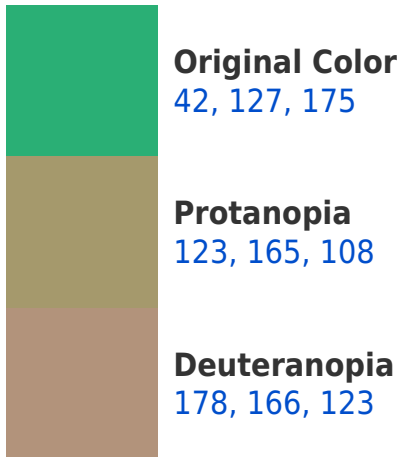



This preview shows how white text looks on a background with the RGB color 42, 127, 175.

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
72, 123, 181

Trichromacy



Original Color

42, 127, 175



Protanomaly

111, 161, 152



Deuteranomaly

121, 157, 149



Tritanomaly

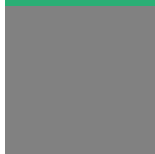
61, 119, 170

Monochromacy



Original Color

42, 127, 175



Achromatopsia

129, 129, 129



Achromatomaly

97, 128, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 42, 127, 175 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, 175, 117)` looks like.

```
.text, #text, p{  
    color:rgb(42, 175, 117)  
}
```

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, 175, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 175, 117) }
```

Border

The CSS property to change the border of an element to RYB 42, 127, 175 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, 175, 117) }
```

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

```
.border{ border-color:rgb(42, 175, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 175, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 175, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 175, 117);  
box-shadow:4px 4px 4px 4px rgb(42, 175,  
117) }
```

Background

The CSS property to change the background color of an element to RYB 42, 127, 175 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 175, 117) }
```

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

```
.background{ background-color: rgb(42, 175,  
117) }
```

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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