

Converting Colors

`RYB(42, 97, 159)`

Have a look what the booklet for
RYB(42, 97, 159) contains.

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Color

R_YB(42, 97, 159)

Conversions

Conversions Part 1

Format	Color
Hex	2A929F
RGB	42, 146, 159
RGB Percent	16%, 57%, 62%
CMY	0.8353, 0.4283, 0.3765
CMYK	0.74, 0.08, 0.00, 0.38
HSL	187°, 58%, 39%
HSV	187°, 74%, 62%
XYZ	17.4594, 23.4886, 36.4144
YIQ	116.3860, -66.1570, -18.0050

Conversions

Conversions Part 2

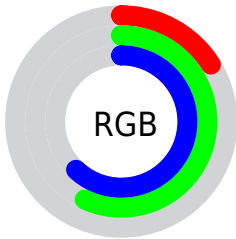
Format	Color
R _{YB}	42, 97, 159
Decimal	2790047
CIE _{Lab}	55.57, -24.27, -15.42
CIE _{LCh}	56, 28.759, 212.436
Y _{xy}	23.4886, 0.2257, 0.3036
Android (android.graphics.Color)	4280980127 (0xFF2A929F)
Y _{UV}	116.3860, 21.0087, -65.2365
Hunter-Lab	48.4651, -20.5096, -10.6223

Details

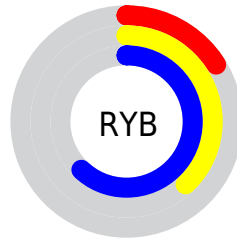
The RYB color **42, 97, 159** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **159, 57, 42**, and the grayscale version is **116, 116, 116**.

A 20% lighter version of the original color is **106, 156, 214**, and **0, 51, 108** is the 20% darker color. If you saturate the color by 10%, you get **26, 89, 159**, and if you desaturate by 10%, it is **58, 106, 159**.

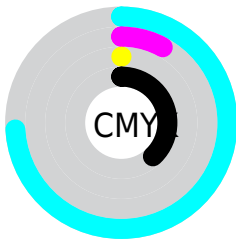
Distribution



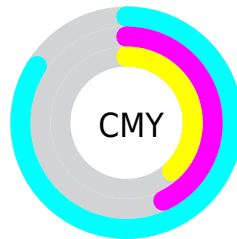
- Red (16%)
- Green (57%)
- Blue (62%)



- Red (16%)
- Yellow (38%)
- Blue (62%)



- Cyan (74%)
- Magenta (8%)
- Yellow (0%)
- Black (38%)



















- Cyan (84%)
- Magenta (43%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 42, 97, 159 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, 97, 159 by changing the saturation by 10% instead.

 42, 97, 159	 42, 97, 159
 255, 255, 255	 0, 63, 133
 106, 156, 214	 0, 51, 108
 135, 185, 242	 0, 38, 83
 164, 210, 255	 0, 27, 60
 193, 224, 255	 0, 16, 38
 222, 239, 255	 0, 1, 17
 252, 254, 255	 0, 0, 0

 42, 97, 159	 42, 97, 159
 26, 89, 159	 58, 106, 159

■ 10, 80, 159

■ 74, 114, 159

■ 0, 75, 159

■ 90, 122, 159

■ 106, 131, 159

■ 122, 139, 159

■ 137, 147, 159

■ 153, 156, 159

■ 169, 160, 159

■ 185, 162, 159

Harmonies

Analogous

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



61, 108, 147



42, 97, 159



62, 109, 177

Triad

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



42, 97, 159



166, 118, 157



104, 148, 83

Complementary

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



42, 97, 159



159, 57, 42

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.



169, 150, 90



42, 97, 159



181, 114, 132

Square

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



42, 97, 159



139, 126, 175



181, 117, 108



90, 140, 108

Rectangle

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



42, 97, 159



88, 120, 182



181, 117, 108



127, 156, 84

Sweetspot

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



42, 97, 159



161, 182, 207



42, 148, 159



77, 90, 105



232, 232, 232



105, 105, 105

Same Dimension

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



42, 97, 159



25, 110, 207



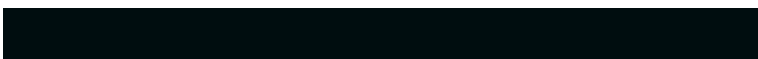
42, 76, 159



71, 75, 79



0, 67, 143



0, 7, 15

Inverse Universe

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



159, 42, 146



207, 25, 186



121, 159, 42



79, 71, 78



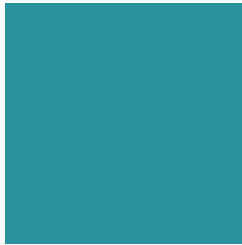
143, 0, 127



15, 0, 14

Previews

White Background



This preview shows how the RYB color 42, 97, 159 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 RYB color 42, 97, 159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

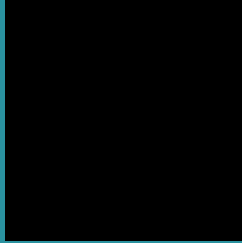
Any Text WCAG AA ✓ Pass

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](#).

R Y B 42, 97, 159 Background



This preview shows how black text looks on a background with the R Y B color 42, 97, 159.

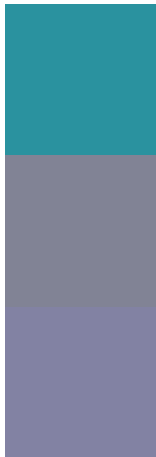


This preview shows how white text looks on a background with the R Y B color 42, 97, 159.

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, 97, 159

Protanopia
129, 131, 149

Deuteranopia
130, 130, 163



Tritanopia
41, 96, 158

Trichromacy



Original Color
42, 97, 159

Protanomaly
97, 120, 153

Deuteranomaly
98, 122, 162

Tritanomaly
41, 96, 158

Monochromacy



Original Color
42, 97, 159

Achromatopsia
116, 116, 116

Achromatomaly
89, 109, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 42, 97, 159 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, 146, 159)` looks like.

```
.text, #text, p{  
    color:rgb(42, 146, 159)  
}
```

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, 146, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 146, 159) }
```

Border

The CSS property to change the border of an element to RYB 42, 97, 159 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, 146, 159) }
```

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

```
.border{ border-color:rgb(42, 146, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 146, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 146, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 146, 159);  
box-shadow:4px 4px 4px 4px rgb(42, 146,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 42, 97, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 146, 159) }
```

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

```
.background{ background-color: rgb(42, 146,  
159) }
```

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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