

Converting Colors

`RYB(82, 129, 182)`

Have a look what the booklet for RYB(82, 129, 182) contains.

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Color

$\text{RYB}(82, 129, 182)$

Conversions

Conversions Part 1

Format	Color
Hex	52ABB6
RGB	82, 171, 182
RGB Percent	32%, 67%, 71%
CMY	0.6784, 0.3307, 0.2863
CMYK	0.55, 0.06, 0.00, 0.29
HSL	187°, 41%, 52%
HSV	187°, 55%, 71%
XYZ	26.4256, 34.1760, 49.4598
YIQ	145.6430, -56.5750, -15.4470

Conversions

Conversions Part 2

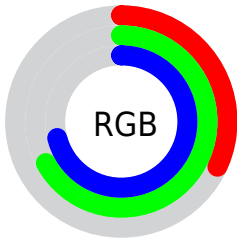
Format	Color
R_{YB}	82, 129, 182
Decimal	5417910
CIE _{Lab}	65.10, -23.24, -13.91
CIE _{LCh}	65, 27.087, 210.903
Yxy	34.1760, 0.2401, 0.3105
Android (android.graphics.Color)	4283607990 (0xFF52ABB6)
YUV	145.6430, 17.9240, -55.8149
Hunter-Lab	58.4603, -21.6188, -9.2396

Details

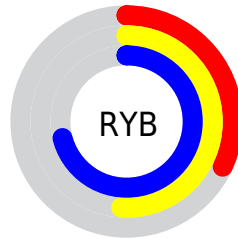
The RYB color **82, 129, 182** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **182, 94, 82**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **139, 186, 238**, and **4, 64, 129** is the 20% darker color. If you saturate the color by 10%, you get **64, 120, 182**, and if you desaturate by 10%, it is **100, 139, 182**.

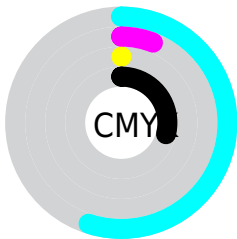
Distribution



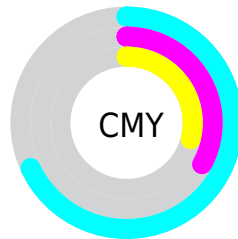
- Red (32%)
- Green (67%)
- Blue (71%)



- Red (32%)
- Yellow (51%)
- Blue (71%)



- Cyan (55%)
- Magenta (6%)
- Yellow (0%)
- Black (29%)





- Cyan (68%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the RYB color 82, 129, 182 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 82, 129, 182 by changing the saturation by 10% instead.

 82, 129, 182

 82, 129, 182

255, 255, 255

 51, 100, 155


 139, 185, 238

 5, 64, 129

 168, 212, 255


 0, 49, 104

 197, 226, 255

 0, 37, 80


 226, 241, 255


 0, 25, 57

 0, 16, 35

 0, 1, 13

 0, 0, 0

 82, 129, 182

 82, 129, 182

■ 64, 120, 182

■ 100, 139, 182

■ 46, 110, 182

■ 118, 148, 182

■ 27, 100, 182

■ 137, 158, 182

■ 9, 90, 182

■ 155, 168, 182

■ 0, 85, 182

■ 173, 177, 182

■ 191, 183, 182

■ 209, 185, 182

■ 228, 188, 182

■ 246, 190, 182

Harmonies

Analogous

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



95, 137, 171



82, 129, 182



96, 138, 200

Triad

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



82, 129, 182



190, 144, 182



135, 175, 110

Complementary

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



82, 129, 182



182, 94, 82

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.



195, 170, 116



82, 129, 182



205, 140, 158

Square

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



82, 129, 182



162, 152, 200



206, 143, 134



116, 164, 131

Rectangle

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



82, 129, 182



116, 147, 205



206, 143, 134



156, 182, 110

Sweetspot

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



82, 129, 182



199, 217, 237



82, 173, 182



97, 108, 120



247, 247, 247



120, 120, 120

Same Dimension

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



82, 129, 182



81, 154, 237



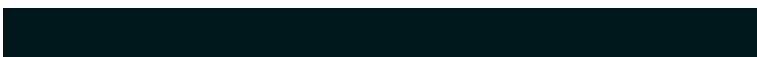
82, 111, 182



83, 87, 92



0, 73, 156



0, 13, 28

Inverse Universe

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



182, 82, 171



237, 81, 219



149, 182, 82



92, 83, 91



156, 0, 138



28, 0, 25

Previews

White Background



This preview shows how the RYB color 82, 129, 182 looks on a white background.

Color Contrast Check

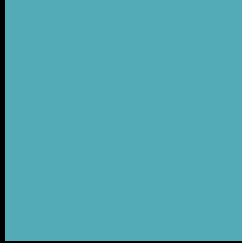
Large Text (above 18pt) WCAG AA × Fail

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 82, 129, 182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

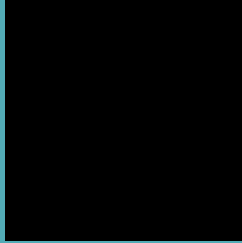
Any Text WCAG AA ✓ Pass

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](#).

RYB 82, 129, 182 Background



This preview shows how black text looks on a background with the RYB color 82, 129, 182.



This preview shows how white text looks on a background with the RYB color 82, 129, 182.

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
82, 129, 182

Protanopia
155, 156, 173

Deuteranopia
158, 153, 186



Tritanopia
83, 130, 184

Trichromacy



Original Color
82, 129, 182



Protanomaly
128, 148, 176



Deuteranomaly
130, 149, 185



Tritanomaly
83, 130, 183

Monochromacy



Original Color
82, 129, 182



Achromatopsia
145, 145, 145



Achromatomaly
122, 139, 158

CSS Examples

Text

The CSS property to change the color of the text to RYB 82, 129, 182 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(82, 171, 182)` looks like.

```
.text, #text, p{  
    color:rgb(82, 171, 182)  
}
```

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(82, 171, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 171, 182) }
```

Border

The CSS property to change the border of an element to RYB 82, 129, 182 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(82, 171, 182) }
```

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

```
.border{ border-color:rgb(82, 171, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 171, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 171, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 171, 182);  
box-shadow:4px 4px 4px 4px rgb(82, 171,  
182) }
```

Background

The CSS property to change the background color of an element to RGB 82, 129, 182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 171, 182) }
```

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

```
.background{ background-color: rgb(82, 171,  
182) }
```

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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