

Converting Colors

`RYB(104, 142, 180)`

Have a look what the booklet for
RYB(104, 142, 180) contains.

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Color

$\text{RYB}(104, 142, 180)$

Conversions

Conversions Part 1

Format	Color
Hex	68B4B4
RGB	104, 180, 180
RGB Percent	41%, 71%, 71%
CMY	0.5922, 0.2941, 0.2941
CMYK	0.42, 0.00, 0.00, 0.29
HSL	180°, 34%, 56%
HSV	180°, 42%, 71%
XYZ	30.2684, 38.8809, 49.0895
YIQ	157.2760, -45.2960, -16.1120

Conversions

Conversions Part 2

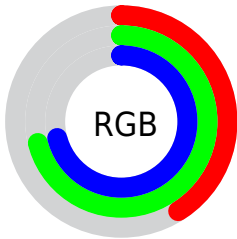
Format	Color
RYB	104, 142, 180
Decimal	6862004
CIELab	68.66, -23.49, -7.38
CIElCh	69, 24.623, 197.450
Yxy	38.8809, 0.2560, 0.3288
Android (android.graphics.Color)	4285052084 (0xFF68B4B4)
YUV	157.2760, 11.2029, -46.7231
Hunter-Lab	62.3545, -22.4722, -3.0287

Details

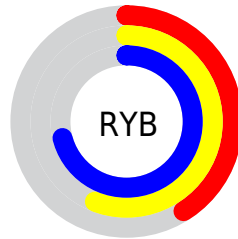
The RYB color **104, 142, 180** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **180, 104, 104**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **159, 198, 236**, and **48, 88, 127** is the 20% darker color. If you saturate the color by 10%, you get **86, 133, 180**, and if you desaturate by 10%, it is **122, 151, 180**.

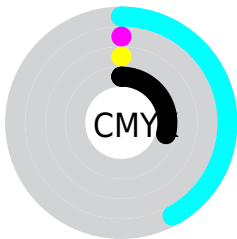
Distribution



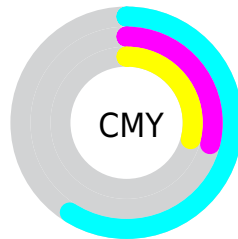
- Red (41%)
- Green (71%)
- Blue (71%)



- Red (41%)
- Yellow (56%)
- Blue (71%)



- Cyan (42%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)



- Cyan (59%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 104, 142, 180 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 104, 142, 180 by changing the saturation by 10% instead.

 104, 142, 180


255, 255, 255


 159, 198, 236

 188, 222, 255

 216, 236, 255


 246, 251, 255

 104, 142, 180

 77, 115, 153

 48, 88, 127

 10, 56, 102


 0, 39, 78


 0, 27, 56

 0, 17, 34

 0, 0, 12

 0, 0, 0

 104, 142, 180

 104, 142, 180

■ 86, 133, 180

■ 122, 151, 180

■ 68, 124, 180

■ 140, 160, 180

■ 50, 115, 180

■ 158, 169, 180

■ 32, 106, 180

■ 176, 178, 180

■ 14, 97, 180

■ 194, 180, 180

■ 0, 90, 180

■ 212, 180, 180

■ 230, 180, 180

■ 248, 180, 180

■ 255, 180, 180

Harmonies

Analogous

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



121, 157, 179



104, 142, 180



106, 147, 200

Triad

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



104, 142, 180



187, 157, 198



177, 193, 124

Complementary

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



104, 142, 180



180, 104, 104

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.



208, 164, 136



104, 142, 180



206, 152, 178

Square

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



104, 142, 180



158, 164, 210



213, 152, 155



125, 170, 125

Rectangle

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



104, 142, 180



119, 153, 208



213, 152, 155



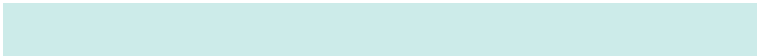
199, 188, 127

Sweetspot

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



104, 142, 180



204, 220, 235



104, 180, 180



99, 108, 117



245, 245, 245



117, 117, 117

Same Dimension

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



104, 142, 180



115, 175, 235



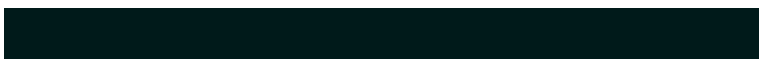
104, 129, 180



80, 85, 89



0, 77, 153



0, 13, 26

Inverse Universe

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



180, 104, 180



235, 115, 235



180, 180, 104



89, 80, 89



153, 0, 153



26, 0, 26

Previews

White Background



This preview shows how the RYB color 104, 142, 180 looks on a white background.

Color Contrast Check

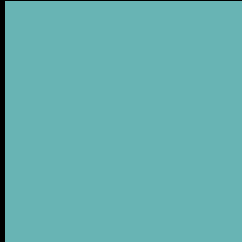
Large Text (above 18pt) WCAG AA × Fail

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 104, 142, 180 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 104, 142, 180 Background



This preview shows how black text looks on a background with the RYB color 104, 142, 180.

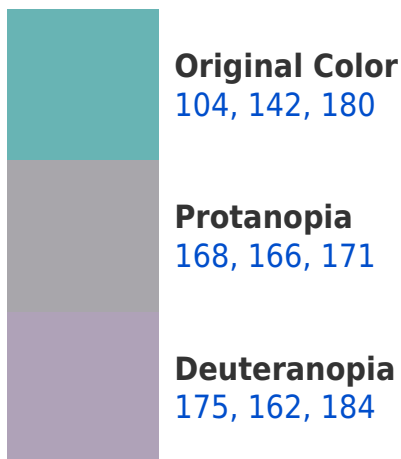


This preview shows how white text looks on a background with the RYB color 104, 142, 180.

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
108, 146, 192

Trichromacy



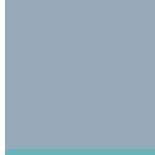
Original Color

104, 142, 180



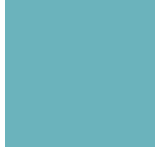
Protanomaly

145, 159, 174



Deuteranomaly

149, 162, 183



Tritanomaly

107, 145, 188

Monochromacy



Original Color

104, 142, 180



Achromatopsia

157, 157, 157



Achromatomaly

138, 152, 165

CSS Examples

Text

The CSS property to change the color of the text to RYB 104, 142, 180 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(104, 180, 180)` looks like.

```
.text, #text, p{  
    color:rgb(104, 180, 180)  
}
```

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(104, 180, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 180, 180) }
```

Border

The CSS property to change the border of an element to RYB 104, 142, 180 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(104, 180, 180) }
```

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

```
.border{ border-color:rgb(104, 180, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 180, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 180, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 180, 180);  
box-shadow:4px 4px 4px 4px rgb(104, 180,  
180) }
```

Background

The CSS property to change the background color of an element to RYB 104, 142, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 180, 180) }
```

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

```
.background{ background-color: rgb(104,  
180, 180) }
```

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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