

Converting Colors

`RYB(135, 152, 170)`

Have a look what the booklet for
RYB(135, 152, 170) contains.

RYB(135, 152, 170)	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(135, 152, 170)

Conversions

Conversions Part 1

Format	Color
Hex	87A8AA
RGB	135, 168, 170
RGB Percent	53%, 66%, 67%
CMY	0.4706, 0.3410, 0.3333
CMYK	0.21, 0.01, 0.00, 0.33
HSL	183°, 17%, 60%
HSV	183°, 21%, 67%
XYZ	31.2603, 36.0790, 43.3466
YIQ	158.3610, -20.3100, -6.3740

Conversions

Conversions Part 2

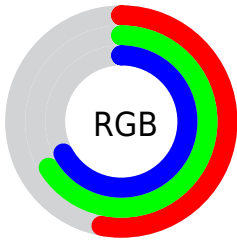
Format	Color
RYB	135, 152, 170
Decimal	8890538
CIELab	66.58, -10.81, -4.75
CIElCh	67, 11.811, 203.703
Yxy	36.0790, 0.2824, 0.3260
Android (android.graphics.Color)	4287080618 (0xFF87A8AA)
YUV	158.3610, 5.7380, -20.4876
Hunter-Lab	60.0658, -12.2176, -0.7407

Details

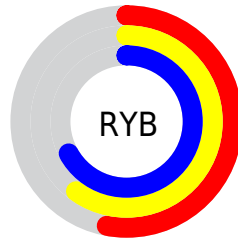
The RYB color **135, 152, 170** is a light color, and the websafe version is hex **669999**. A complement of this color would be **170, 137, 135**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **189, 206, 225**, and **84, 100, 118** is the 20% darker color. If you saturate the color by 10%, you get **118, 143, 170**, and if you desaturate by 10%, it is **152, 161, 170**.

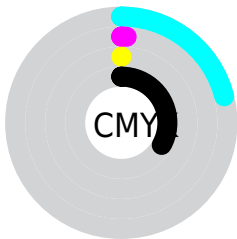
Distribution



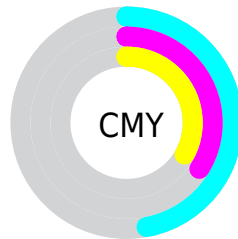
- Red (53%)
- Green (66%)
- Blue (67%)



- Red (53%)
- Yellow (60%)
- Blue (67%)



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)



- Cyan (47%)
- Magenta (34%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 152, 170 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 135, 152, 170 by changing the saturation by 10% instead.

 135, 152, 170


255, 255, 255


 189, 206, 225


 217, 235, 254

 245, 250, 255

 135, 152, 170


 109, 126, 144

 84, 100, 118

 60, 76, 93

 37, 53, 70

 14, 30, 47


 0, 13, 27

 0, 0, 0

 135, 152, 170

 118, 143, 170

 135, 152, 170

 152, 161, 170

101, 134, 170

169, 170, 170

84, 126, 170

186, 171, 170

67, 117, 170

203, 172, 170

50, 108, 170

220, 173, 170

33, 99, 170

237, 174, 170

16, 91, 170

254, 175, 170

0, 83, 170

255, 176, 170

255, 178, 170

Harmonies

Analogous

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



139, 156, 168



135, 152, 170



138, 155, 179

Triad

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



135, 152, 170



174, 157, 175



163, 173, 141

Complementary

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



135, 152, 170



170, 137, 135

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.



181, 163, 145



135, 152, 170



182, 155, 165

Square

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



135, 152, 170



161, 160, 181



185, 155, 154



142, 164, 145

Rectangle

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



135, 152, 170



144, 158, 182



185, 155, 154



176, 176, 142

Sweetspot

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



135, 152, 170



209, 215, 222



135, 168, 170



104, 108, 112



240, 240, 240



112, 112, 112

Same Dimension

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



135, 152, 170



166, 193, 222



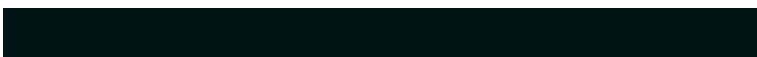
135, 146, 170



76, 80, 84



0, 72, 148



0, 10, 20

Inverse Universe

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



170, 135, 168



222, 166, 219



164, 170, 135



84, 76, 84



148, 0, 140



20, 0, 19

Previews

White Background



This preview shows how the RYB color 135, 152, 170 looks on a white background.

Color Contrast Check

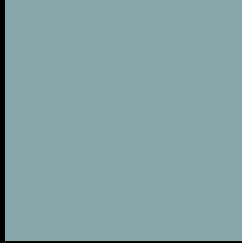
Large Text (above 18pt) WCAG AA × Fail

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 135, 152, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

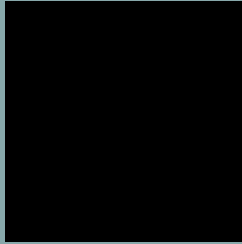
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

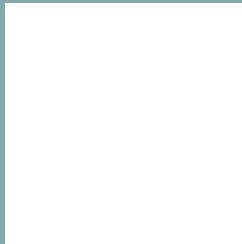
Any Text WCAG AAA ✓ Pass

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

RYB 135, 152, 170 Background



This preview shows how black text looks on a background with the RYB color 135, 152, 170.



This preview shows how white text looks on a background with the RYB color 135, 152, 170.

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](#).

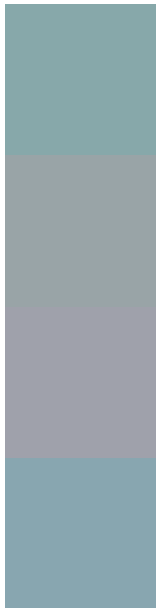
Dichromacy





Tritanopia
137, 155, 180

Trichromacy



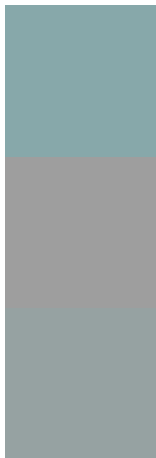
Original Color
135, 152, 170

Protanomaly
153, 159, 167

Deuteranomaly
159, 161, 171

Tritanomaly
136, 153, 176

Monochromacy



Original Color
135, 152, 170

Achromatopsia
158, 158, 158

Achromatomaly
150, 156, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 152, 170 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(135, 168, 170)` looks like.

```
.text, #text, p{  
    color:rgb(135, 168, 170)  
}
```

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(135, 168, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 168, 170) }
```

Border

The CSS property to change the border of an element to RYB 135, 152, 170 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(135, 168, 170) }
```

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

```
.border{ border-color:rgb(135, 168, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 168, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 168, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 168, 170);  
box-shadow:4px 4px 4px 4px rgb(135, 168,  
170) }
```

Background

The CSS property to change the background color of an element to RYB 135, 152, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 168, 170) }
```

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

```
.background{ background-color: rgb(135,  
168, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor