

Converting Colors

`RYB(135, 155, 168)`

Have a look what the booklet for
RYB(135, 155, 168) contains.

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Color

R_YB(135, 155, 168)

Conversions

Conversions Part 1

Format	Color
Hex	87A89C
RGB	135, 168, 156
RGB Percent	53%, 66%, 61%
CMY	0.4706, 0.3412, 0.3865
CMYK	0.20, 0.00, 0.07, 0.34
HSL	159°, 16%, 59%
HSV	159°, 20%, 66%
XYZ	30.0332, 35.5717, 36.9358
YIQ	156.7650, -15.8160, -10.7280

Conversions

Conversions Part 2

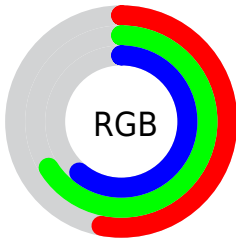
Format	Color
RYB	135, 155, 168
Decimal	8890524
CIELab	66.19, -13.72, 2.22
CIElCh	66, 13.894, 170.786
Yxy	35.5717, 0.2929, 0.3469
Android (android.graphics.Color)	4287080604 (0xFF87A89C)
YUV	156.7650, -0.3771, -19.0879
Hunter-Lab	59.6420, -14.4884, 5.0317

Details

The RYB color **135, 155, 168** is a light color, and the websafe version is hex **669999**. A complement of this color would be **168, 135, 147**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **189, 210, 223**, and **85, 104, 116** is the 20% darker color. If you saturate the color by 10%, you get **118, 148, 168**, and if you desaturate by 10%, it is **152, 162, 168**.

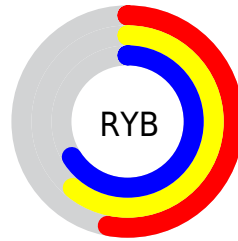
Distribution



Red (53%)

Green (66%)

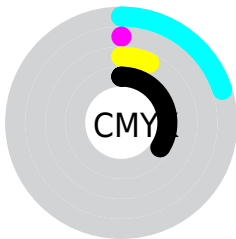
Blue (61%)



Red (53%)

Yellow (61%)

Blue (66%)

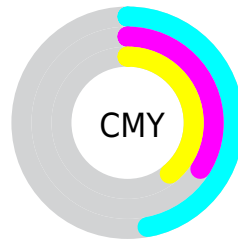


Cyan (20%)

Magenta (0%)

Yellow (7%)

Black (34%)



Cyan (47%)

Magenta (34%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 155, 168 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, 155, 168 by changing the saturation by 10% instead.

 135, 155, 168

255, 255, 255


 189, 210, 223


 217, 238, 252


 245, 250, 255

 135, 155, 168


 109, 129, 142

 85, 104, 116

 61, 79, 91

 38, 56, 68

 16, 33, 45

 0, 16, 26


 0, 0, 0

 135, 155, 168


 118, 148, 168

 135, 155, 168


 152, 162, 168


 101, 141, 168


 169, 168, 168

 85, 135, 168


 185, 168, 174


 68, 129, 168


 202, 168, 180

 51, 122, 168

 219, 168, 186

 34, 115, 168

 236, 168, 192

 17, 109, 168

 253, 168, 198

 1, 102, 168

 255, 168, 203

 0, 102, 168

 255, 168, 209

Harmonies

Analogous

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



145, 166, 164



135, 155, 168



129, 149, 169

Triad

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



135, 155, 168



158, 159, 184



184, 161, 142

Complementary

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



135, 155, 168



168, 135, 147

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.



188, 153, 153



135, 155, 168



173, 155, 177

Square

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



135, 155, 168



143, 157, 185



184, 153, 165



165, 175, 137

Rectangle

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



135, 155, 168



130, 151, 177



184, 153, 165



186, 157, 145

Sweetspot

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



135, 155, 168



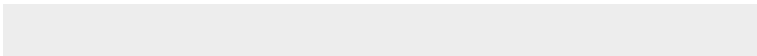
206, 214, 219



135, 168, 156



102, 107, 110



237, 237, 237



110, 110, 110

Same Dimension

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



135, 155, 168



167, 198, 219



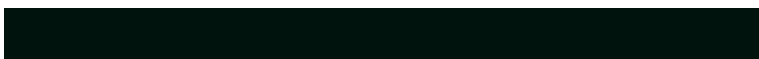
135, 150, 168



76, 81, 84



0, 90, 148



0, 12, 20

Inverse Universe

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



168, 135, 147



219, 167, 185



168, 141, 135



84, 76, 79



148, 0, 52



20, 0, 7

Previews

White Background



This preview shows how the RYB color 135, 155, 168 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, 155, 168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

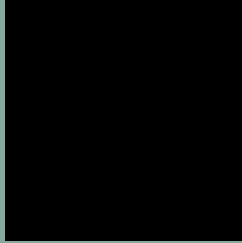
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

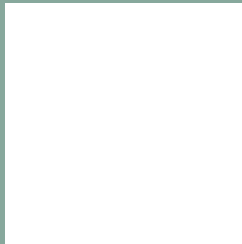
Any Text WCAG AAA ✓ Pass

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

RYB 135, 155, 168 Background



This preview shows how black text looks on a background with the RYB color 135, 155, 168.



This preview shows how white text looks on a background with the RYB color 135, 155, 168.

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](#).

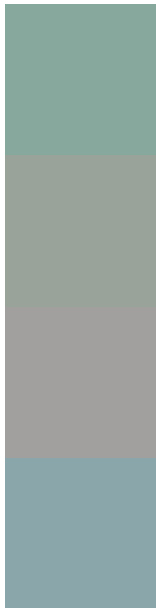
Dichromacy





Tritanopia
139, 155, 178

Trichromacy



Original Color
135, 155, 168

Protanomaly
154, 163, 163

Deuteranomaly
160, 161, 158

Tritanomaly
138, 153, 170

Monochromacy



Original Color
135, 155, 168

Achromatopsia
157, 157, 157

Achromatomaly
149, 156, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 155, 168 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(135, 168, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 168, 156) }
```

Border

The CSS property to change the border of an element to RYB 135, 155, 168 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, 156) }
```

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

```
.border{ border-color:rgb(135, 168, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 168, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 168, 156);  
box-shadow:4px 4px 4px 4px rgb(135, 168,  
156) }
```

Background

The CSS property to change the background color of an element to RYB 135, 155, 168 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, 156) }
```

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

```
.background{ background-color: rgb(135,  
168, 156) }
```

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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