

Converting Colors

`RYB(103, 125, 153)`

Have a look what the booklet for
RYB(103, 125, 153) contains.

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Color

`RYB(103, 125, 153)`

Conversions

Conversions Part 1

Format	Color
Hex	678E99
RGB	103, 142, 153
RGB Percent	40%, 56%, 60%
CMY	0.5961, 0.4420, 0.4000
CMYK	0.33, 0.07, 0.00, 0.40
HSL	193°, 20%, 50%
HSV	193°, 33%, 60%
XYZ	21.0589, 24.6146, 33.7782
YIQ	131.5930, -26.7750, -4.8470

Conversions

Conversions Part 2

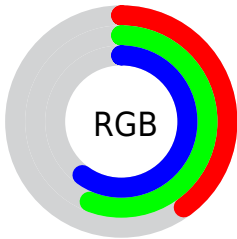
Format	Color
RYB	103, 125, 153
Decimal	6786713
CIELab	56.70, -10.80, -10.05
CIElCh	57, 14.752, 222.938
Yxy	24.6146, 0.2651, 0.3098
Android (android.graphics.Color)	4284976793 (0xFF678E99)
YUV	131.5930, 10.5537, -25.0761
Hunter-Lab	49.6131, -11.0566, -5.6373

Details

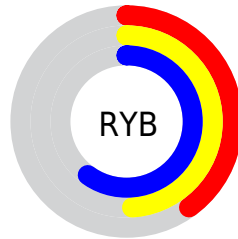
The RYB color **103, 125, 153** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **153, 117, 103**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **156, 178, 207**, and **53, 75, 102** is the 20% darker color. If you saturate the color by 10%, you get **88, 117, 153**, and if you desaturate by 10%, it is **118, 134, 153**.

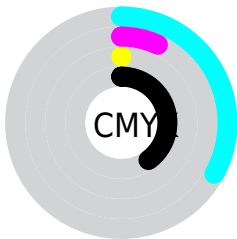
Distribution



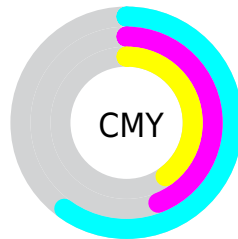
- Red (40%)
- Green (56%)
- Blue (60%)



- Red (40%)
- Yellow (49%)
- Blue (60%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)
- Black (40%)



- Cyan (60%)
- Magenta (44%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 103, 125, 153 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 103, 125, 153 by changing the saturation by 10% instead.

■ 103, 125, 153

255, 255, 255

■ 156, 178, 207

■ 183, 206, 236

■ 211, 232, 255

■ 240, 248, 255

■ 103, 125, 153

■ 78, 100, 127

■ 53, 75, 102

■ 28, 50, 78

■ 0, 25, 55

■ 0, 15, 34

■ 0, 0, 11

■ 0, 0, 0

■ 103, 125, 153

■ 88, 117, 153

■ 103, 125, 153

■ 118, 134, 153

■ 72, 108, 153

■ 134, 142, 153

■ 57, 99, 153

■ 149, 151, 153

■ 42, 91, 153

■ 164, 155, 153

■ 27, 82, 153

■ 180, 161, 153

■ 11, 74, 153

■ 195, 164, 153

■ 0, 67, 153

■ 210, 168, 153

■ 225, 174, 153

■ 241, 177, 153

Harmonies

Analogous

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



103, 124, 144



103, 125, 153



113, 130, 160

Triad

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



103, 125, 153



157, 128, 144



114, 140, 111

Complementary

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



103, 125, 153



153, 117, 103

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.



151, 153, 112



103, 125, 153



163, 127, 131

Square

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



103, 125, 153



145, 131, 155



161, 132, 119



117, 141, 132

Rectangle

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



103, 125, 153



123, 133, 161



161, 132, 119



122, 145, 110

Sweetspot

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



103, 125, 153



179, 188, 199



103, 145, 153



88, 93, 99



227, 227, 227



99, 99, 99

Same Dimension

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



103, 125, 153



121, 155, 199



103, 115, 153



69, 72, 77



0, 62, 140



0, 6, 13

Inverse Universe

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



153, 103, 142



199, 121, 182



124, 153, 103



77, 69, 75



140, 0, 110



13, 0, 10

Previews

White Background



This preview shows how the RYB color 103, 125, 153 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 103, 125, 153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

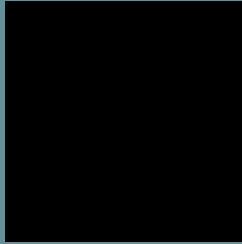
Any Text WCAG AA ✓ Pass

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](#).

RYB 103, 125, 153 Background



This preview shows how black text looks on a background with the RYB color 103, 125, 153.

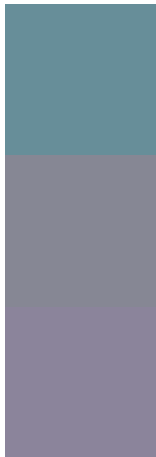


This preview shows how white text looks on a background with the RYB color 103, 125, 153.

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
103, 125, 153

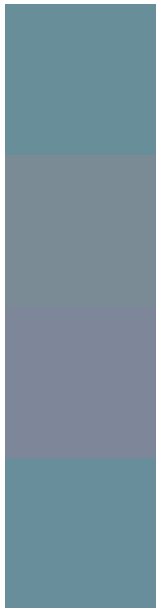
Protanopia
134, 135, 148

Deuteranopia
139, 132, 155



Tritanopia
103, 125, 154

Trichromacy



Original Color

103, 125, 153

Protanomaly

123, 133, 150

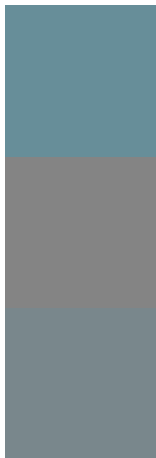
Deuteranomaly

126, 133, 154

Tritanomaly

103, 125, 154

Monochromacy



Original Color

103, 125, 153

Achromatopsia

132, 132, 132

Achromatomaly

121, 129, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 103, 125, 153 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(103, 142, 153)` looks like.

```
.text, #text, p{  
    color:rgb(103, 142, 153)  
}
```

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(103, 142, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 142, 153) }
```

Border

The CSS property to change the border of an element to RYB 103, 125, 153 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(103, 142, 153) }
```

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

```
.border{ border-color:rgb(103, 142, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 142, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 142, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 142, 153);  
box-shadow:4px 4px 4px 4px rgb(103, 142,  
153) }
```

Background

The CSS property to change the background color of an element to RYB 103, 125, 153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 142, 153) }
```

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

```
.background{ background-color: rgb(103,  
142, 153) }
```

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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