

Converting Colors

`RYB(133, 153, 192)`

Have a look what the booklet for RYB(133, 153, 192) contains.

RYB(133, 153, 192)	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(133, 153, 192)

Conversions

Conversions Part 1

Format	Color
Hex	85A3C0
RGB	133, 163, 192
RGB Percent	52%, 64%, 75%
CMY	0.4784, 0.3598, 0.2471
CMYK	0.31, 0.15, 0.00, 0.25
HSL	209°, 32%, 64%
HSV	209°, 31%, 75%
XYZ	32.3301, 35.0779, 54.9359
YIQ	157.3360, -27.1890, 2.6590

Conversions

Conversions Part 2

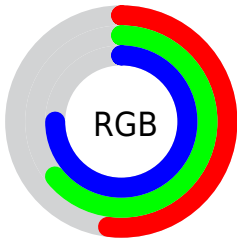
Format	Color
RYB	133, 153, 192
Decimal	8758208
CIELab	65.81, -3.60, -18.17
CIElCh	66, 18.522, 258.796
Yxy	35.0779, 0.2643, 0.2867
Android (android.graphics.Color)	4286948288 (0xFF85A3C0)
YUV	157.3360, 17.0894, -21.3427
Hunter-Lab	59.2266, -6.2085, -13.5362

Details

The RYB color **133, 153, 192** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **192, 190, 133**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **187, 208, 248**, and **81, 101, 138** is the 20% darker color. If you saturate the color by 10%, you get **114, 140, 192**, and if you desaturate by 10%, it is **152, 166, 192**.

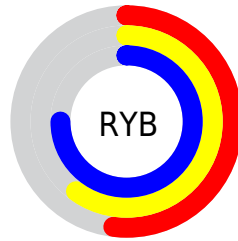
Distribution



Red (52%)

Green (64%)

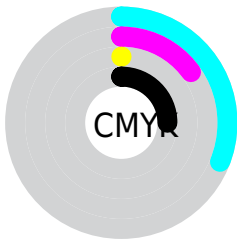
Blue (75%)



Red (52%)

Yellow (60%)

Blue (75%)

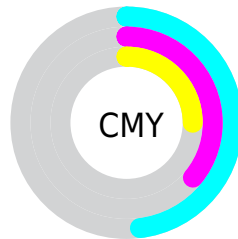


Cyan (31%)

Magenta (15%)

Yellow (0%)

Black (25%)



Cyan (48%)

Magenta (36%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 153, 192 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 133, 153, 192 by changing the saturation by 10% instead.

 133, 153, 192

255, 255, 255


 187, 208, 248

 216, 233, 255


 244, 250, 255

 133, 153, 192

 107, 127, 165


 81, 101, 138

 56, 76, 113

 31, 52, 88

 2, 26, 65

 0, 15, 43

 0, 1, 22

 0, 0, 0

 133, 153, 192

 133, 153, 192

■ 114, 140, 192

■ 152, 166, 192

■ 95, 128, 192

■ 171, 178, 192

■ 75, 115, 192

■ 191, 191, 192

■ 56, 102, 192

■ 210, 210, 192

■ 37, 89, 192

■ 229, 227, 192

■ 18, 77, 192

■ 248, 244, 192

■ 0, 65, 192

■ 236, 255, 192

■ 215, 255, 192

■ 201, 255, 192

Harmonies

Analogous

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



118, 146, 184



133, 153, 192



155, 158, 191

Triad

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



133, 153, 192



195, 148, 150



138, 166, 161

Complementary

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



133, 153, 192



192, 190, 133

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.



128, 162, 128



133, 153, 192



190, 159, 136

Square

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



133, 153, 192



189, 149, 167



167, 179, 128



125, 152, 169

Rectangle

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



133, 153, 192



169, 154, 186



167, 179, 128



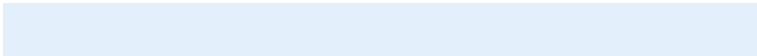
134, 165, 150

Sweetspot

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



133, 153, 192



227, 235, 250



133, 173, 192



111, 116, 125



252, 252, 252



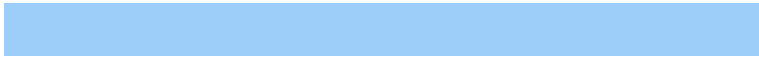
125, 125, 125

Same Dimension

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



133, 153, 192



157, 189, 250



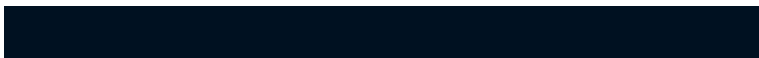
133, 134, 192



87, 90, 97



0, 54, 161



0, 11, 33

Inverse Universe

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



192, 133, 163



250, 157, 205



134, 192, 133



97, 87, 92



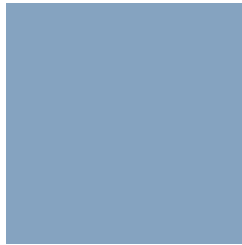
161, 0, 82



33, 0, 17

Previews

White Background



This preview shows how the RYB color 133, 153, 192 looks on a white background.

Color Contrast Check

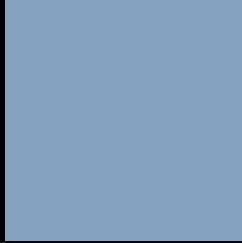
Large Text (above 18pt) WCAG AA × Fail

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 133, 153, 192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

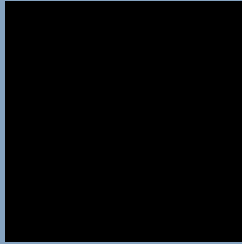
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

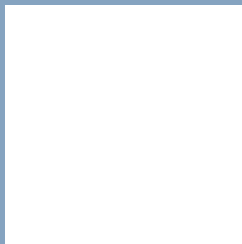
Any Text WCAG AAA ✓ Pass

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

RYB 133, 153, 192 Background



This preview shows how black text looks on a background with the RYB color 133, 153, 192.



This preview shows how white text looks on a background with the RYB color 133, 153, 192.

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
133, 153, 192

Protanopia
153, 157, 189

Deuteranopia
158, 156, 194



Tritanopia
130, 151, 179

Trichromacy



Original Color
133, 153, 192

Protanomaly
146, 157, 190

Deuteranomaly
149, 157, 193

Tritanomaly
131, 152, 184

Monochromacy



Original Color
133, 153, 192

Achromatopsia
157, 157, 157

Achromatomaly
148, 155, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 153, 192 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(133, 163, 192)` looks like.

```
.text, #text, p{  
    color:rgb(133, 163, 192)  
}
```

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(133, 163, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 163, 192) }
```

Border

The CSS property to change the border of an element to RYB 133, 153, 192 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(133, 163, 192) }
```

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

```
.border{ border-color:rgb(133, 163, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 163, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 163, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 163, 192);  
box-shadow:4px 4px 4px 4px rgb(133, 163,  
192) }
```

Background

The CSS property to change the background color of an element to RYB 133, 153, 192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 163, 192) }
```

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

```
.background{ background-color: rgb(133,  
163, 192) }
```

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