

# Converting Colors

`RYB(93, 120, 151)`

Have a look what the booklet for  
RYB(93, 120, 151) contains.

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# Color

**R<sub>Y</sub>B(93, 120, 151)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5D9097
RGB	93, 144, 151
RGB Percent	36%, 56%, 59%
CMY	0.6353, 0.4372, 0.4078
CMYK	0.38, 0.05, 0.00, 0.41
HSL	188°, 24%, 48%
HSV	188°, 38%, 59%
XYZ	20.0002, 24.3618, 32.9263
YIQ	129.5490, -32.6430, -8.6350

# Conversions

## Conversions Part 2

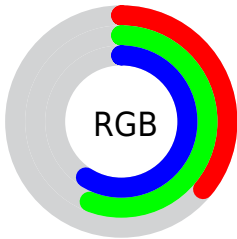
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	93, 120, 151
Decimal	6131863
CIE Lab	56.45, -14.88, -9.33
CIE LCh	56, 17.565, 212.094
Yxy	24.3618, 0.2588, 0.3152
Android (android.graphics.Color)	4284321943 (0xFF5D9097)
YUV	129.5490, 10.5753, -32.0535
Hunter-Lab	49.3576, -14.0458, -5.0018

# Details

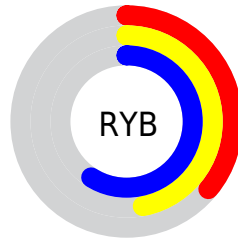
The RYB color **93, 120, 151** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **151, 101, 93**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **146, 174, 205**, and **41, 69, 100** is the 20% darker color. If you saturate the color by 10%, you get **78, 112, 151**, and if you desaturate by 10%, it is **108, 128, 151**.

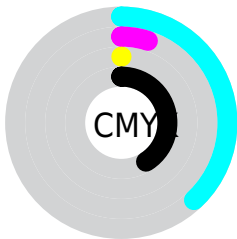
# Distribution



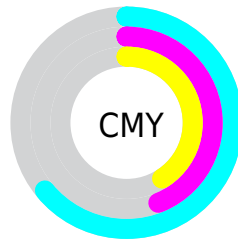
- Red (36%)
- Green (56%)
- Blue (59%)



- Red (36%)
- Yellow (47%)
- Blue (59%)



- Cyan (38%)
- Magenta (5%)
- Yellow (0%)
- Black (41%)




- Cyan (64%)
- Magenta (44%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 93, 120, 151 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 93, 120, 151 by changing the saturation by 10% instead.



 93, 120, 151


255, 255, 255

 146, 173, 205


 173, 201, 233

 201, 228, 255

 230, 243, 255


 93, 120, 151

 67, 94, 125

 41, 69, 100


 12, 42, 76


 0, 25, 54

 0, 15, 32


 0, 0, 8

 0, 0, 0

 93, 120, 151

 78, 112, 151

 93, 120, 151

 108, 128, 151

■ 63, 104, 151

■ 123, 136, 151

■ 48, 96, 151

■ 138, 144, 151

■ 33, 88, 151

■ 153, 151, 151

■ 17, 79, 151

■ 169, 153, 151

■ 2, 71, 151

■ 184, 156, 151

■ 0, 70, 151

■ 199, 158, 151

■ 214, 160, 151

■ 229, 162, 151

# Harmonies

## Analogous

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



98, 123, 144



93, 120, 151



101, 125, 162

# Triad

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



93, 120, 151



156, 127, 150



120, 146, 105

# Complementary

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



93, 120, 151



151, 101, 93

# 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.



159, 145, 109



93, 120, 151



166, 125, 135

# Square

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



93, 120, 151



139, 131, 161



166, 127, 120



109, 139, 119

# Rectangle

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



93, 120, 151



112, 129, 165



166, 127, 120



135, 151, 105



# Sweetspot

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



93, 120, 151



173, 184, 196



93, 145, 151



86, 92, 99



227, 227, 227



99, 99, 99



# Same Dimension

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



93, 120, 151



106, 148, 196



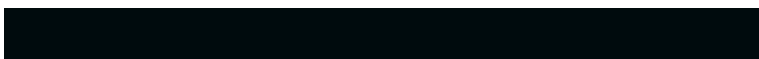
93, 109, 151



69, 73, 77



0, 65, 140



0, 6, 13



# Inverse Universe

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



151, 93, 144



196, 106, 185



128, 151, 93



77, 69, 76



140, 0, 122

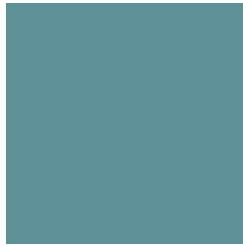


13, 0, 11



# Previews

## White Background



This preview shows how the RYB color 93, 120, 151 looks on a white background.

## Color Contrast Check

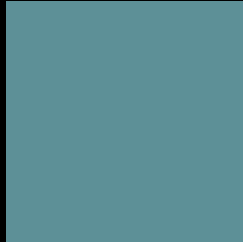
Large Text (above 18pt) WCAG AA ✓ Pass

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 93, 120, 151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

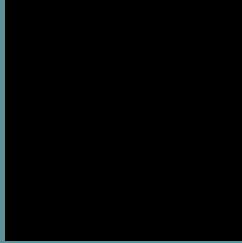
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## R Y B 93, 120, 151 Background



This preview shows how black text looks on a background with the RYB color 93, 120, 151.



This preview shows how white text looks on a background with the RYB color 93, 120, 151.

# 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

94, 121, 154

# Trichromacy



**Original Color**  
93, 120, 151

**Protanomaly**  
119, 130, 147

**Deuteranomaly**  
122, 132, 153

**Tritanomaly**  
94, 121, 153

# Monochromacy



**Original Color**  
93, 120, 151

**Achromatopsia**  
129, 129, 129

**Achromatomaly**  
116, 126, 137

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 93, 120, 151 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(93, 144, 151)` looks like.

```
.text, #text, p{  
    color:rgb(93, 144, 151)  
}
```

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(93, 144, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 144, 151) }
```

## Border

The CSS property to change the border of an element to RYB 93, 120, 151 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(93, 144, 151) }
```

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

```
.border{ border-color:rgb(93, 144, 151) }
```

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

Here you see how a box with a 4 pixel rgb(93, 144, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 144, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 144, 151);  
box-shadow:4px 4px 4px 4px rgb(93, 144,  
151) }
```

# Background

The CSS property to change the background color of an element to RGB 93, 120, 151 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 144, 151) }
```

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

```
.background{ background-color: rgb(93, 144,  
151) }
```

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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