

Converting Colors

`RYB(121, 142, 187)`

Have a look what the booklet for
RYB(121, 142, 187) contains.

RYB(121, 142, 187)	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(121, 142, 187)

Conversions

Conversions Part 1

Format	Color
Hex	7998BB
RGB	121, 152, 187
RGB Percent	47%, 60%, 73%
CMY	0.5255, 0.4047, 0.2667
CMYK	0.35, 0.19, 0.00, 0.27
HSL	212°, 33%, 60%
HSV	212°, 35%, 73%
XYZ	28.0506, 30.0444, 51.3344
YIQ	146.7210, -29.7110, 4.3130

Conversions

Conversions Part 2

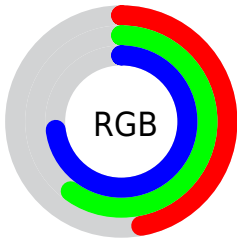
Format	Color
RYB	121, 142, 187
Decimal	7968955
CIELab	61.69, -1.99, -21.71
CIElCh	62, 21.799, 264.766
Yxy	30.0444, 0.2563, 0.2746
Android (android.graphics.Color)	4286159035 (0xFF7998BB)
YUV	146.7210, 19.8575, -22.5573
Hunter-Lab	54.8128, -4.5745, -17.1586

Details

The RYB color **121, 142, 187** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **179, 187, 121**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **175, 196, 243**, and **69, 90, 134** is the 20% darker color. If you saturate the color by 10%, you get **102, 129, 187**, and if you desaturate by 10%, it is **140, 155, 187**.

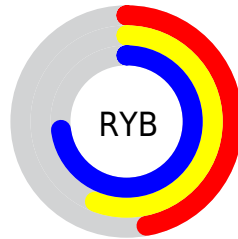
Distribution



Red (47%)

Green (60%)

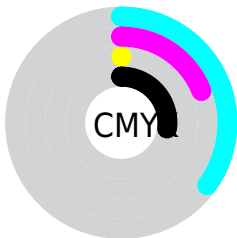
Blue (73%)



Red (47%)

Yellow (56%)

Blue (73%)

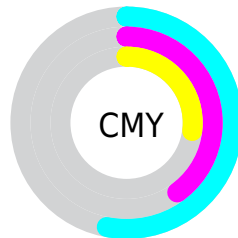


Cyan (35%)

Magenta (19%)

Yellow (0%)

Black (27%)



Cyan (53%)

Magenta (40%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 121, 142, 187 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 121, 142, 187 by changing the saturation by 10% instead.

 121, 142, 187


255, 255, 255

 175, 196, 243

 203, 222, 255

 232, 244, 255

 121, 142, 187


 95, 116, 160

 69, 90, 134

 44, 66, 108

 15, 40, 84

 0, 21, 61

 0, 8, 39

 0, 1, 17

 0, 0, 0

 121, 142, 187

 121, 142, 187

■ 102, 129, 187

■ 140, 155, 187

■ 84, 117, 187

■ 158, 167, 187

■ 65, 104, 187

■ 177, 180, 187

■ 46, 91, 187

■ 194, 196, 187

■ 28, 78, 187

■ 209, 214, 187

■ 9, 66, 187

■ 226, 233, 187

■ 0, 59, 187

■ 243, 252, 187

■ 222, 255, 187

■ 203, 255, 187

Harmonies

Analogous

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



99, 133, 180



121, 142, 187



148, 145, 184

Triad

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



121, 142, 187



188, 136, 134



124, 155, 157

Complementary

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



121, 142, 187



179, 187, 121

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.



114, 153, 121



121, 142, 187



182, 152, 118

Square

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



121, 142, 187



185, 135, 153



142, 167, 111



104, 136, 160

Rectangle

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



121, 142, 187



164, 141, 177



142, 167, 111



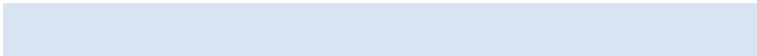
121, 156, 145

Sweetspot

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



121, 142, 187



216, 224, 242



121, 164, 187



106, 111, 122



250, 250, 250



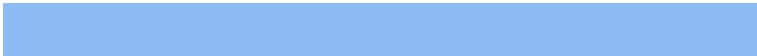
122, 122, 122

Same Dimension

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



121, 142, 187



141, 173, 242



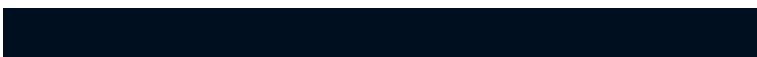
123, 121, 187



85, 88, 94



0, 50, 158



0, 10, 31

Inverse Universe

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



187, 121, 152



242, 141, 188



121, 187, 123



94, 85, 89



158, 0, 74



31, 0, 14

Previews

White Background



This preview shows how the RYB color 121, 142, 187 looks on a white background.

Color Contrast Check

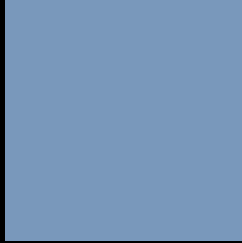
Large Text (above 18pt) WCAG AA × Fail

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 121, 142, 187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

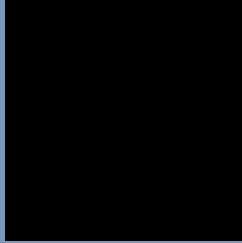
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

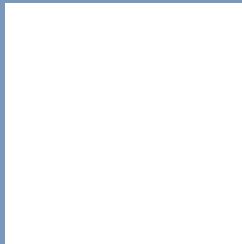
Any Text WCAG AAA ✓ Pass

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

RYB 121, 142, 187 Background



This preview shows how black text looks on a background with the RYB color 121, 142, 187.



This preview shows how white text looks on a background with the RYB color 121, 142, 187.

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
121, 142, 187

Protanopia
140, 146, 184

Deuteranopia
142, 146, 188



Tritanopia
116, 138, 168

Trichromacy



Original Color

121, 142, 187

Protanomaly

133, 145, 185

Deuteranomaly

134, 145, 188

Tritanomaly

118, 140, 175

Monochromacy



Original Color

121, 142, 187

Achromatopsia

147, 147, 147

Achromatomaly

138, 146, 162

CSS Examples

Text

The CSS property to change the color of the text to RGB 121, 142, 187 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(121, 152, 187) looks like.

```
.text, #text, p{  
    color:rgb(121, 152, 187)  
}
```

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(121, 152, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 152, 187) }
```

Border

The CSS property to change the border of an element to RYB 121, 142, 187 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(121, 152, 187) }
```

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

```
.border{ border-color:rgb(121, 152, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 152, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 152, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 152, 187); box-shadow:4px 4px 4px 4px rgb(121, 152, 187) }
```

Background

The CSS property to change the background color of an element to RYB 121, 142, 187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 152, 187) }
```

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

```
.background{ background-color: rgb(121,  
152, 187) }
```

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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