

Converting Colors

`RYB(112, 142, 176)`

Have a look what the booklet for
RYB(112, 142, 176) contains.

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Color

R_YB(112, 142, 176)

Conversions

Conversions Part 1

Format	Color
Hex	70A8B0
RGB	112, 168, 176
RGB Percent	44%, 66%, 69%
CMY	0.5608, 0.3393, 0.3098
CMYK	0.36, 0.04, 0.00, 0.31
HSL	187°, 29%, 56%
HSV	187°, 36%, 69%
XYZ	28.6082, 34.7587, 46.2756
YIQ	152.1680, -35.9440, -9.3840

Conversions

Conversions Part 2

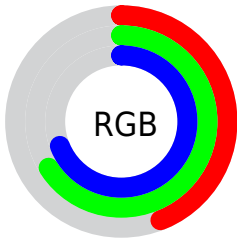
Format	Color
RYB	112, 142, 176
Decimal	7383216
CIELab	65.56, -16.47, -9.75
CIELCh	66, 19.138, 210.623
Yxy	34.7587, 0.2609, 0.3170
Android (android.graphics.Color)	4285573296 (0xFF70A8B0)
YUV	152.1680, 11.7492, -35.2273
Hunter-Lab	58.9565, -16.5579, -5.2678

Details

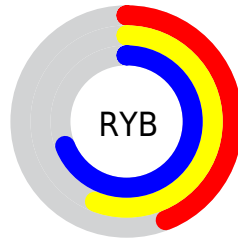
The RYB color **112, 142, 176** is a light color, and the websafe version is hex **669999**. A complement of this color would be **176, 121, 112**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **166, 197, 232**, and **60, 90, 124** is the 20% darker color. If you saturate the color by 10%, you get **94, 132, 176**, and if you desaturate by 10%, it is **130, 152, 176**.

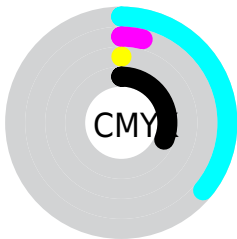
Distribution



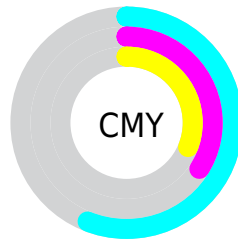
- Red (44%)
- Green (66%)
- Blue (69%)



- Red (44%)
- Yellow (56%)
- Blue (69%)



- Cyan (36%)
- Magenta (4%)
- Yellow (0%)
- Black (31%)



- Cyan (56%)
- Magenta (34%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 142, 176 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 112, 142, 176 by changing the saturation by 10% instead.

 112, 142, 176

255, 255, 255


 166, 197, 232

 194, 224, 255

 223, 239, 255

 252, 254, 255

 112, 142, 176

 86, 116, 149

 60, 90, 124

 32, 64, 99

 0, 36, 75

 0, 24, 52

 0, 14, 31

 0, 0, 5

 0, 0, 0

 112, 142, 176

 112, 142, 176

■ 94, 132, 176

■ 130, 152, 176

■ 77, 123, 176

■ 147, 161, 176

■ 59, 114, 176

■ 165, 170, 176

■ 42, 105, 176

■ 182, 177, 176

■ 24, 95, 176

■ 200, 179, 176

■ 6, 86, 176

■ 218, 182, 176

■ 0, 82, 176

■ 235, 184, 176

■ 253, 186, 176

■ 255, 189, 176

Harmonies

Analogous

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



118, 146, 169



112, 142, 176



120, 148, 189

Triad

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



112, 142, 176



182, 150, 176



145, 172, 125

Complementary

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



112, 142, 176



176, 121, 112

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.



187, 169, 130



112, 142, 176



193, 147, 159

Square

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



112, 142, 176



163, 155, 189



194, 149, 143



129, 163, 139

Rectangle

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



112, 142, 176



133, 153, 193



194, 149, 143



164, 178, 126

Sweetspot

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



112, 142, 176



204, 216, 230



112, 170, 176



100, 107, 115



242, 242, 242



115, 115, 115

Same Dimension

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



112, 142, 176



129, 176, 230



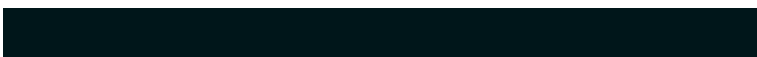
112, 130, 176



80, 84, 89



0, 72, 153



0, 12, 26

Inverse Universe

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



176, 112, 168



230, 129, 218



153, 176, 112



89, 80, 88



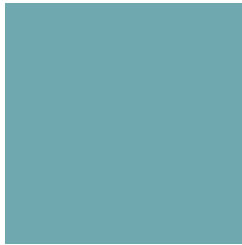
153, 0, 135



26, 0, 23

Previews

White Background



This preview shows how the RYB color 112, 142, 176 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 112, 142, 176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

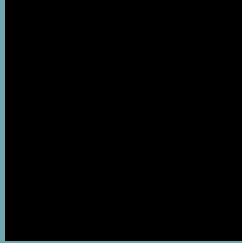
Any Text WCAG AA ✓ Pass

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 112, 142, 176 Background



This preview shows how black text looks on a background with the RYB color 112, 142, 176.

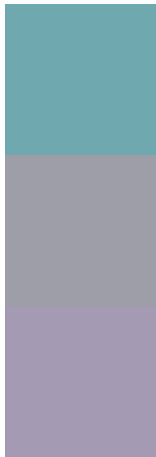


This preview shows how white text looks on a background with the RYB color 112, 142, 176.

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
112, 142, 176

Protanopia
158, 158, 169

Deuteranopia
164, 154, 179



Tritanopia
113, 143, 181

Trichromacy



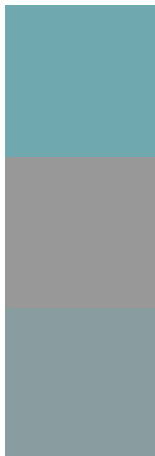
Original Color
112, 142, 176

Protanomaly
141, 154, 172

Deuteranomaly
145, 155, 178

Tritanomaly
113, 143, 179

Monochromacy



Original Color
112, 142, 176

Achromatopsia
152, 152, 152

Achromatomaly
137, 148, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 142, 176 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(112, 168, 176)` looks like.

```
.text, #text, p{  
    color:rgb(112, 168, 176)  
}
```

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(112, 168, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 168, 176) }
```

Border

The CSS property to change the border of an element to RYB 112, 142, 176 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(112, 168, 176) }
```

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

```
.border{ border-color:rgb(112, 168, 176) }
```

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

Here you see how a box with a 4 pixel rgb(112, 168, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 168, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 168, 176);  
box-shadow:4px 4px 4px 4px rgb(112, 168,  
176) }
```

Background

The CSS property to change the background color of an element to RYB 112, 142, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 168, 176) }
```

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

```
.background{ background-color: rgb(112,  
168, 176) }
```

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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