

Converting Colors

`RYB(112, 178, 215)`

Have a look what the booklet for
RYB(112, 178, 215) contains.

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Color

R_YB(112, 178, 215)

Conversions

Conversions Part 1

Format	Color
Hex	70D7AA
RGB	112, 215, 170
RGB Percent	44%, 84%, 67%
CMY	0.5608, 0.1569, 0.3343
CMYK	0.48, 0.00, 0.21, 0.16
HSL	154°, 56%, 64%
HSV	154°, 48%, 84%
XYZ	38.2139, 54.9382, 46.4926
YIQ	179.0730, -46.9430, -35.8310

Conversions

Conversions Part 2

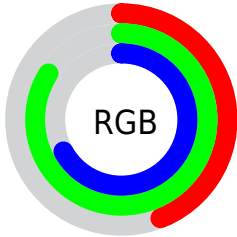
Format	Color
RYB	112, 178, 215
Decimal	7395242
CIELab	79.01, -40.47, 13.20
CIElCh	79, 42.572, 161.940
Yxy	54.9382, 0.2737, 0.3934
Android (android.graphics.Color)	4285585322 (0xFF70D7AA)
YUV	179.0730, -4.4730, -58.8230
Hunter-Lab	74.1203, -37.6820, 14.6940

Details

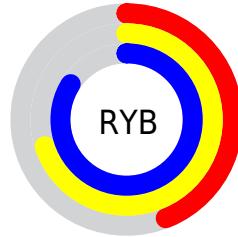
The RYB color **112, 178, 215** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **215, 112, 157**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **169, 221, 255**, and **53, 120, 160** is the 20% darker color. If you saturate the color by 10%, you get **91, 171, 215**, and if you desaturate by 10%, it is **134, 186, 215**.

Distribution



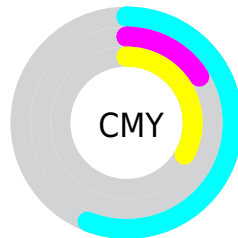
- Red (44%)
- Green (84%)
- Blue (67%)



- Red (44%)
- Yellow (70%)
- Blue (84%)



- Cyan (48%)
- Magenta (0%)
- Yellow (21%)
- Black (16%)




- Cyan (56%)
- Magenta (16%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 178, 215 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, 178, 215 by changing the saturation by 10% instead.


 112, 178, 215


255, 255, 255


 169, 221, 255


 198, 227, 255

 227, 241, 255

 112, 178, 215

 83, 149, 187

 53, 120, 160

 11, 84, 133

 0, 65, 107


 0, 52, 82


 0, 40, 58

 0, 37, 37


 0, 0, 0

 112, 178, 215


 112, 178, 215

 91, 171, 215


 134, 186, 215

 69, 162, 215

 155, 193, 215

 48, 155, 215

 177, 201, 215


 26, 147, 215

 198, 209, 215

 5, 139, 215

 220, 215, 217

 0, 138, 215

 241, 215, 226

 255, 215, 236

 255, 215, 245

 255, 215, 255

Harmonies

Analogous

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



135, 209, 182



112, 178, 215



51, 136, 217

Triad

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



112, 178, 215



164, 187, 255



255, 181, 144

Complementary

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



112, 178, 215



215, 112, 157

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.



255, 165, 181



112, 178, 215



220, 180, 255

Square

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



112, 178, 215



94, 160, 255



255, 168, 221



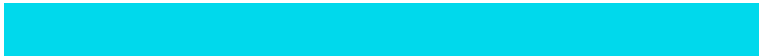
229, 242, 121

Rectangle

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



112, 178, 215



0, 113, 236



255, 168, 221



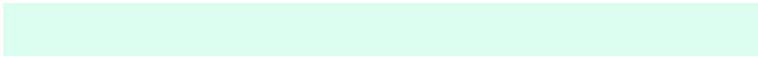
255, 171, 156

Sweetspot

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



112, 178, 215



219, 242, 255



112, 215, 169



106, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



112, 178, 215



110, 203, 255



112, 162, 215



96, 103, 107



0, 110, 171



0, 28, 43

Inverse Universe

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



215, 112, 157



255, 110, 174



215, 117, 112



107, 96, 101



171, 0, 75



43, 0, 19

Previews

White Background



This preview shows how the RYB color 112, 178, 215 looks on a white background.

Color Contrast Check

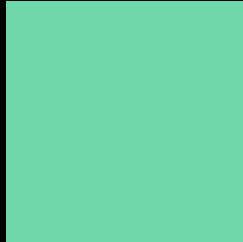
Large Text (above 18pt) WCAG AA × Fail

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, 178, 215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

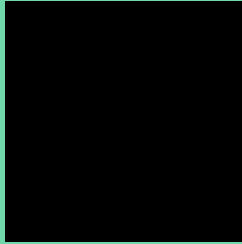
Any Text WCAG AA ✓ Pass

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, 178, 215 Background



This preview shows how black text looks on a background with the RYB color 112, 178, 215.

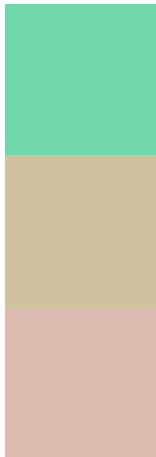


This preview shows how white text looks on a background with the RYB color 112, 178, 215.

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, 178, 215

Protanopia
175, 206, 159

Deuteranopia
220, 191, 176



Tritanopia
127, 171, 224

Trichromacy



Original Color

112, 178, 215



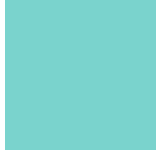
Protanomaly

163, 202, 193



Deuteranomaly

174, 197, 190



Tritanomaly

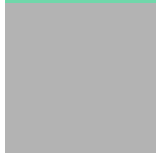
122, 168, 211

Monochromacy



Original Color

112, 178, 215



Achromatopsia

179, 179, 179



Achromatomaly

155, 179, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 178, 215 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, 215, 170)` looks like.

```
.text, #text, p{  
    color:rgb(112, 215, 170)  
}
```

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, 215, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 215, 170) }
```

Border

The CSS property to change the border of an element to RYB 112, 178, 215 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, 215, 170) }
```

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

```
.border{ border-color:rgb(112, 215, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 215, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 215, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 215, 170);  
box-shadow:4px 4px 4px 4px rgb(112, 215,  
170) }
```

Background

The CSS property to change the background color of an element to RYB 112, 178, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 215, 170) }
```

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

```
.background{ background-color: rgb(112,  
215, 170) }
```

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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