

Converting Colors

`RYB(112, 187, 224)`

Have a look what the booklet for
RYB(112, 187, 224) contains.

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Color

R_YB(112, 187, 224)

Conversions

Conversions Part 1

Format	Color
Hex	70E0A7
RGB	112, 224, 167
RGB Percent	44%, 88%, 65%
CMY	0.5608, 0.1216, 0.3441
CMYK	0.50, 0.00, 0.25, 0.12
HSL	150°, 64%, 66%
HSV	150°, 50%, 88%
XYZ	40.3362, 59.5555, 46.0515
YIQ	184.0140, -48.4550, -41.4710

Conversions

Conversions Part 2

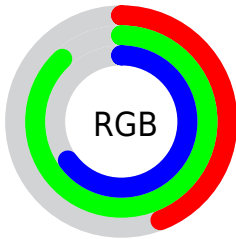
Format	Color
RYB	112, 187, 224
Decimal	7397543
CIELab	81.60, -44.93, 18.14
CIElCh	82, 48.455, 158.012
Yxy	59.5555, 0.2764, 0.4081
Android (android.graphics.Color)	4285587623 (0xFF70E0A7)
YUV	184.0140, -8.3879, -63.1563
Hunter-Lab	77.1722, -41.7532, 18.6400

Details

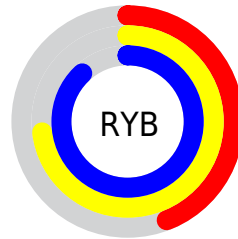
The RYB color **112, 187, 224** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **224, 112, 169**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **170, 223, 255**, and **51, 127, 168** is the 20% darker color. If you saturate the color by 10%, you get **90, 180, 224**, and if you desaturate by 10%, it is **134, 194, 224**.

Distribution



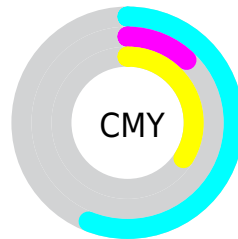
- Red (44%)
- Green (88%)
- Blue (65%)



- Red (44%)
- Yellow (73%)
- Blue (88%)



- Cyan (50%)
- Magenta (0%)
- Yellow (25%)
- Black (12%)




- Cyan (56%)
- Magenta (12%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 187, 224 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, 187, 224 by changing the saturation by 10% instead.


 112, 187, 224


255, 255, 255


 170, 222, 255

 199, 228, 255

 228, 242, 255

 112, 187, 224

 83, 158, 196

 51, 127, 168


 0, 86, 141

 0, 73, 115

 0, 60, 89

 0, 48, 65

 0, 43, 43

 0, 11, 11

 0, 0, 0

■ 112, 187, 224

■ 112, 187, 224

■ 90, 180, 224

■ 134, 194, 224

■ 67, 172, 224

■ 157, 202, 224

■ 45, 165, 224

■ 179, 209, 224

■ 22, 157, 224

■ 202, 217, 224

■ 0, 150, 224

■ 224, 224, 224

■ 246, 224, 235

■ 255, 224, 247

■ 255, 224, 255

Harmonies

Analogous

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



129, 216, 174



112, 187, 224



0, 117, 227

Triad

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



112, 187, 224



154, 187, 255



255, 180, 149

Complementary

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



112, 187, 224



224, 112, 169

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, 166, 192



112, 187, 224



223, 186, 255

Square

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



112, 187, 224



52, 143, 255



255, 172, 238



251, 255, 119

Rectangle

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



112, 187, 224



0, 117, 244



255, 172, 238



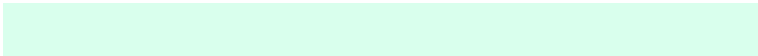
255, 171, 163

Sweetspot

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



112, 187, 224



217, 242, 255



112, 224, 166



105, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



112, 187, 224



102, 205, 255



112, 169, 224



101, 108, 112



0, 118, 176



0, 32, 48

Inverse Universe

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



224, 112, 169



255, 102, 180



224, 112, 114



112, 101, 107



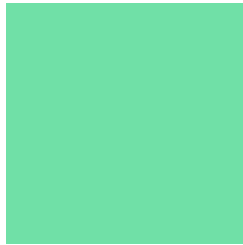
176, 0, 89



48, 0, 25

Previews

White Background



This preview shows how the RYB color 112, 187, 224 looks on a white background.

Color Contrast Check

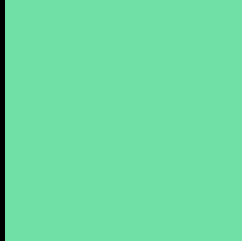
Large Text (above 18pt) WCAG AA × Fail

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, 187, 224 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, 187, 224 Background



This preview shows how black text looks on a background with the RYB color 112, 187, 224.

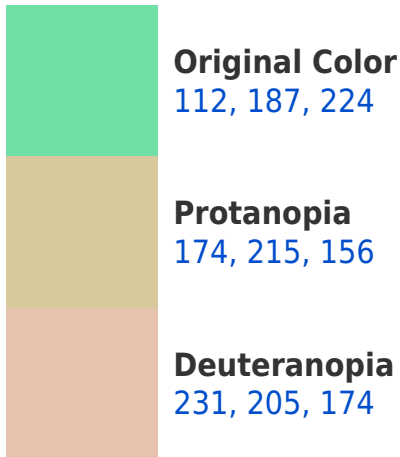


This preview shows how white text looks on a background with the RYB color 112, 187, 224.

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
130, 177, 233

Trichromacy



Original Color

112, 187, 224



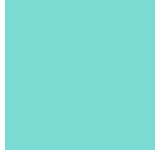
Protanomaly

160, 209, 191



Deuteranomaly

172, 205, 189



Tritanomaly

123, 173, 218

Monochromacy



Original Color

112, 187, 224



Achromatopsia

184, 184, 184



Achromatomaly

158, 186, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 187, 224 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, 224, 167)` looks like.

```
.text, #text, p{  
    color:rgb(112, 224, 167)  
}
```

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, 224, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 224, 167) }
```

Border

The CSS property to change the border of an element to RYB 112, 187, 224 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, 224, 167) }
```

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

```
.border{ border-color:rgb(112, 224, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 224, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 224, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 224, 167);  
box-shadow:4px 4px 4px 4px rgb(112, 224,  
167) }
```

Background

The CSS property to change the background color of an element to RYB 112, 187, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 224, 167) }
```

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

```
.background{ background-color: rgb(112,  
224, 167) }
```

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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