

Converting Colors

`RYB(112, 167, 224)`

Have a look what the booklet for
RYB(112, 167, 224) contains.

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Color

R_YB(112, 167, 224)

Conversions

Conversions Part 1

Format	Color
Hex	70DCE0
RGB	112, 220, 224
RGB Percent	44%, 86%, 88%
CMY	0.5608, 0.1370, 0.1216
CMYK	0.50, 0.02, 0.00, 0.12
HSL	182°, 64%, 66%
HSV	182°, 50%, 88%
XYZ	45.7483, 60.0498, 79.7006
YIQ	188.1640, -65.6520, -21.6520

Conversions

Conversions Part 2

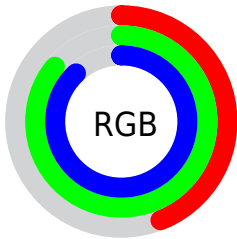
Format	Color
R _Y B	112, 167, 224
Decimal	7396576
CIE Lab	81.87, -29.99, -11.51
CIE LCh	82, 32.121, 201.002
Yxy	60.0498, 0.2466, 0.3237
Android (android.graphics.Color)	4285586656 (0xFF70DCE0)
YUV	188.1640, 17.6671, -66.7958
Hunter-Lab	77.4918, -30.2310, -6.7357

Details

The RYB color **112, 167, 224** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **224, 116, 112**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **171, 213, 255**, and **47, 107, 169** is the 20% darker color. If you saturate the color by 10%, you get **90, 156, 224**, and if you desaturate by 10%, it is **134, 178, 224**.

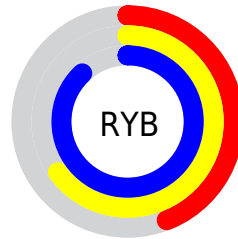
Distribution



Red (44%)

Green (86%)

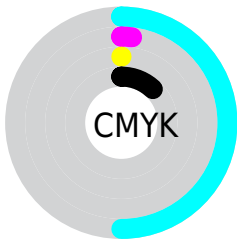
Blue (88%)



Red (44%)

Yellow (65%)

Blue (88%)

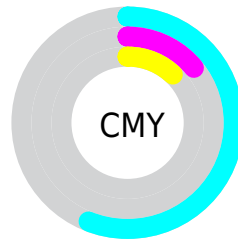


Cyan (50%)

Magenta (2%)

Yellow (0%)

Black (12%)



Cyan (56%)


Magenta (14%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 167, 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, 167, 224 by changing the saturation by 10% instead.


 112, 167, 224


255, 255, 255


 171, 213, 255

 201, 228, 255

 231, 243, 255

 112, 167, 224

 81, 137, 196

 47, 107, 169

 0, 70, 142

 0, 57, 117

 0, 45, 92

 0, 33, 69

 0, 22, 46

 0, 9, 26

 0, 0, 0

■ 112, 167, 224

■ 112, 167, 224

■ 90, 156, 224

■ 134, 178, 224

■ 67, 144, 224

■ 157, 190, 224

■ 45, 133, 224

■ 179, 201, 224

■ 22, 121, 224

■ 202, 213, 224

■ 0, 110, 224

■ 224, 224, 224

■ 246, 225, 224

■ 255, 226, 224

■ 255, 227, 224

Harmonies

Analogous

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



135, 186, 220



112, 167, 224



118, 174, 249

Triad

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



112, 167, 224



233, 189, 242



201, 234, 144

Complementary

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



112, 167, 224



224, 116, 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.



255, 204, 158



112, 167, 224



255, 182, 214

Square

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



112, 167, 224



196, 199, 255



255, 182, 183



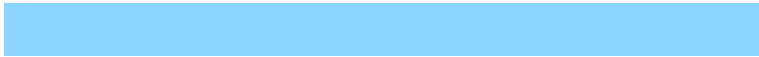
147, 208, 152

Rectangle

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



112, 167, 224



139, 184, 255



255, 182, 183



240, 242, 147

Sweetspot

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



112, 167, 224



217, 236, 255



112, 220, 224



105, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



112, 167, 224



102, 177, 255



112, 148, 224



101, 107, 112



0, 86, 176



0, 24, 48

Inverse Universe

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



224, 112, 220



255, 102, 250



209, 224, 112



112, 101, 112



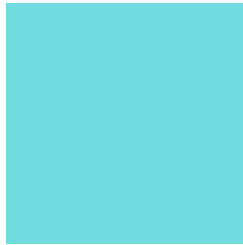
176, 0, 170



48, 0, 47

Previews

White Background



This preview shows how the RYB color 112, 167, 224 looks on a white background.

Color Contrast Check

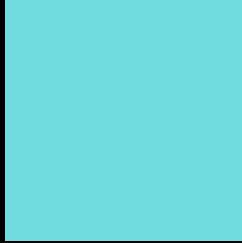
Large Text (above 18pt) WCAG AA × Fail

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, 167, 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](#).

R Y B 112, 167, 224 Background



This preview shows how black text looks on a background with the R Y B color 112, 167, 224.

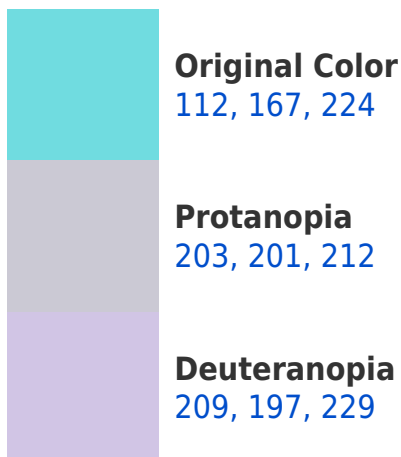


This preview shows how white text looks on a background with the R Y B color 112, 167, 224.

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
116, 171, 236

Trichromacy



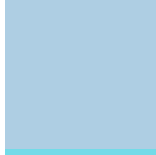
Original Color

112, 167, 224



Protanomaly

170, 191, 216



Deuteranomaly

174, 194, 227



Tritanomaly

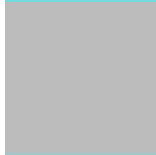
115, 170, 232

Monochromacy



Original Color

112, 167, 224



Achromatopsia

188, 188, 188



Achromatomaly

160, 180, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 167, 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, 220, 224)` looks like.

```
.text, #text, p{  
    color:rgb(112, 220, 224)  
}
```

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, 220, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 220, 224) }
```

Border

The CSS property to change the border of an element to RYB 112, 167, 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, 220, 224) }
```

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

```
.border{ border-color:rgb(112, 220, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 220, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 220, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 220, 224); box-shadow:4px 4px 4px 4px rgb(112, 220, 224) }
```

Background

The CSS property to change the background color of an element to RYB 112, 167, 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, 220, 224) }
```

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

```
.background{ background-color: rgb(112,  
220, 224) }
```

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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