

Converting Colors

`RYB(113, 222, 218)`

Have a look what the booklet for
RYB(113, 222, 218) contains.

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Color

R_YB(113, 222, 218)

Conversions

Conversions Part 1

Format	Color
Hex	75DE71
RGB	117, 222, 113
RGB Percent	46%, 87%, 44%
CMY	0.5412, 0.1294, 0.5569
CMYK	0.47, 0.00, 0.49, 0.13
HSL	118°, 62%, 66%
HSV	118°, 49%, 87%
XYZ	36.4380, 57.2167, 24.7462
YIQ	178.1790, -27.5910, -56.1590

Conversions

Conversions Part 2

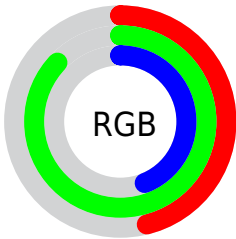
Format	Color
RYB	113, 222, 218
Decimal	7724657
CIELab	80.30, -51.87, 43.98
CIElCh	80, 68.006, 139.701
Yxy	57.2167, 0.3078, 0.4832
Android (android.graphics.Color)	4285914737 (0xFF75DE71)
YUV	178.1790, -32.1332, -53.6540
Hunter-Lab	75.6417, -46.3863, 33.5525

Details

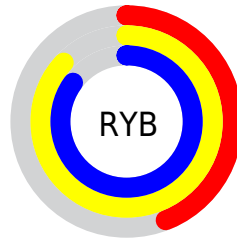
The RYB color **113, 222, 218** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **218, 113, 222**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **167, 255, 247**, and **57, 161, 166** is the 20% darker color. If you saturate the color by 10%, you get **91, 222, 217**, and if you desaturate by 10%, it is **135, 222, 219**.

Distribution



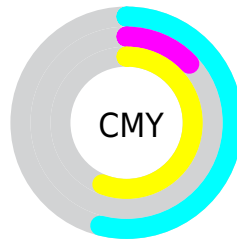
- Red (46%)
- Green (87%)
- Blue (44%)



- Red (44%)
- Yellow (87%)
- Blue (85%)



- Cyan (47%)
- Magenta (0%)
- Yellow (49%)
- Black (13%)



- Cyan (54%)
- Magenta (13%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 113, 222, 218 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 113, 222, 218 by changing the saturation by 10% instead.

 113, 222, 218

255, 255, 255


 167, 255, 247


 194, 255, 245


 223, 255, 244

252, 255, 252

 113, 222, 218

 87, 194, 193

 57, 161, 166

 15, 121, 139

 0, 109, 113

 0, 87, 87

 0, 63, 63

 0, 41, 41

 0, 2, 2

 0, 0, 0

 113, 222, 218

 113, 222, 218

 91, 222, 217

 135, 222, 219

 69, 222, 217

 157, 222, 219

 46, 222, 215

 180, 222, 221

 24, 222, 215

 202, 222, 221

 2, 222, 214

 224, 222, 224

 0, 222, 214

 245, 222, 246

 255, 222, 255

Harmonies

Analogous

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



70, 209, 86



113, 222, 218



0, 130, 229

Triad

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



113, 222, 218



0, 116, 255



255, 144, 160

Complementary

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



113, 222, 218



218, 113, 222

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, 144, 224



113, 222, 218



163, 184, 255

Square

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



113, 222, 218



0, 120, 255



255, 165, 255



255, 204, 104

Rectangle

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



113, 222, 218



0, 118, 230



255, 165, 255



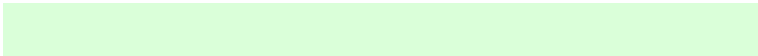
255, 142, 181

Sweetspot

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



113, 222, 218



217, 255, 254



118, 222, 113



105, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



113, 222, 218



105, 255, 250



113, 188, 222



101, 112, 112



0, 176, 170



0, 48, 46

Inverse Universe

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



218, 113, 222



249, 105, 255



222, 113, 173



112, 101, 112



169, 0, 176



47, 0, 48

Previews

White Background



This preview shows how the RYB color 113, 222, 218 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 113, 222, 218 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 113, 222, 218 Background



This preview shows how black text looks on a background with the RYB color 113, 222, 218.

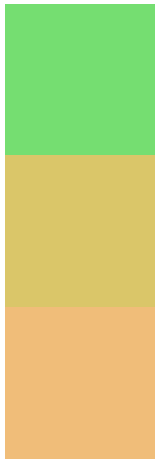


This preview shows how white text looks on a background with the RYB color 113, 222, 218.

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](#).

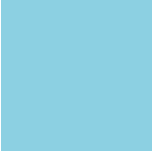
Dichromacy



Original Color
113, 222, 218

Protanopia
129, 218, 105

Deuteranopia
210, 240, 121



Tritanopia
140, 178, 226

Trichromacy



Original Color

113, 222, 218



Protanomaly

108, 207, 134



Deuteranomaly

118, 201, 124



Tritanomaly

132, 182, 214

Monochromacy



Original Color

113, 222, 218



Achromatopsia

178, 178, 178



Achromatomaly

154, 194, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 113, 222, 218 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(117, 222, 113)` looks like.

```
.text, #text, p{  
    color:rgb(117, 222, 113)  
}
```

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(117, 222, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 222, 113) }
```

Border

The CSS property to change the border of an element to RYB 113, 222, 218 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(117, 222, 113) }
```

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

```
.border{ border-color:rgb(117, 222, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 222, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 222, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 222, 113);  
box-shadow:4px 4px 4px 4px rgb(117, 222,  
113) }
```

Background

The CSS property to change the background color of an element to RGB 113, 222, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 222, 113) }
```

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

```
.background{ background-color: rgb(117,  
222, 113) }
```

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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