

Converting Colors

`RYB(101, 221, 192)`

Have a look what the booklet for
RYB(101, 221, 192) contains.

RYB(101, 221, 192)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(101, 221, 192)

Conversions

Conversions Part 1

Format	Color
Hex	82DD65
RGB	130, 221, 101
RGB Percent	51%, 87%, 40%
CMY	0.4902, 0.1333, 0.6039
CMYK	0.41, 0.00, 0.54, 0.13
HSL	106°, 64%, 63%
HSV	106°, 54%, 87%
XYZ	37.4113, 57.3983, 21.4191
YIQ	180.1110, -15.7160, -56.6120

Conversions

Conversions Part 2

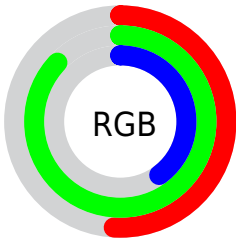
Format	Color
RYB	101, 221, 192
Decimal	8576357
CIELab	80.40, -49.10, 49.90
CIElCh	80, 70.002, 134.540
Yxy	57.3983, 0.3219, 0.4938
Android (android.graphics.Color)	4286766437 (0xFF82DD65)
YUV	180.1110, -39.0017, -43.9473
Hunter-Lab	75.7617, -44.4391, 36.2709

Details

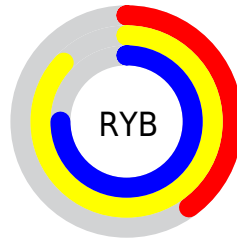
The RYB color **101, 221, 192** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **192, 101, 221**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **155, 255, 223**, and **48, 165, 140** is the 20% darker color. If you saturate the color by 10%, you get **79, 221, 187**, and if you desaturate by 10%, it is **123, 221, 197**.

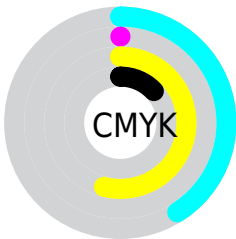
Distribution



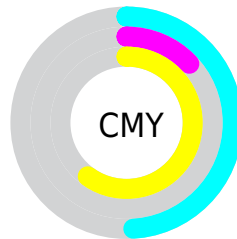
- Red (51%)
- Green (87%)
- Blue (40%)



- Red (40%)
- Yellow (87%)
- Blue (75%)



- Cyan (41%)
- Magenta (0%)
- Yellow (54%)
- Black (13%)




- Cyan (49%)
- Magenta (13%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 101, 221, 192 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 101, 221, 192 by changing the saturation by 10% instead.

 101, 221, 192

255, 255, 255


 155, 255, 223

 182, 255, 220


 211, 255, 220


 240, 255, 240

 101, 221, 192


 75, 193, 166

 48, 165, 140

 18, 138, 115

 0, 112, 112

 0, 87, 87

 0, 62, 62

 0, 41, 41

 0, 3, 3

 0, 0, 0

 101, 221, 192

 101, 221, 192

 79, 221, 187

 123, 221, 197

 57, 221, 182

 145, 221, 202


 35, 221, 176

 167, 221, 208

 13, 221, 171

 189, 221, 213

 0, 221, 168

 211, 221, 218

 231, 221, 234

 247, 221, 255

 255, 221, 255

Harmonies

Analogous

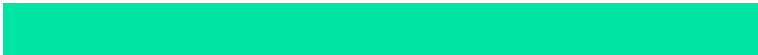
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61, 206, 63



101, 221, 192



0, 134, 229

Triad

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



101, 221, 192



0, 117, 255



255, 140, 170

Complementary

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



101, 221, 192



192, 101, 221

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, 145, 236



101, 221, 192



137, 176, 255

Square

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



101, 221, 192



0, 120, 255



244, 169, 255



255, 182, 110

Rectangle

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



101, 221, 192



0, 122, 231



244, 169, 255



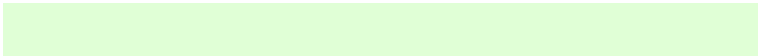
255, 139, 192

Sweetspot

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



101, 221, 192



214, 255, 245



141, 221, 101



103, 128, 122



0, 0, 0



128, 128, 128

Same Dimension

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



101, 221, 192



89, 255, 215



101, 197, 221



99, 110, 108



0, 173, 131



0, 46, 35

Inverse Universe

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



192, 101, 221



215, 89, 255



221, 101, 191



107, 99, 110



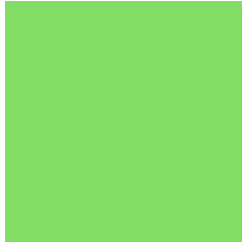
131, 0, 173



35, 0, 46

Previews

White Background



This preview shows how the RYB color 101, 221, 192 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 101, 221, 192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

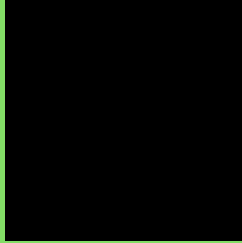
Any Text WCAG AA ✓ Pass

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 101, 221, 192 Background



This preview shows how black text looks on a background with the RYB color 101, 221, 192.

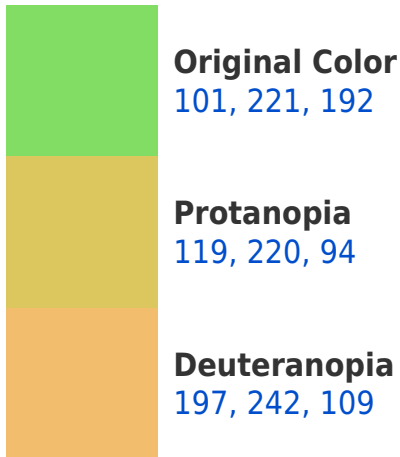


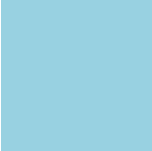
This preview shows how white text looks on a background with the RYB color 101, 221, 192.

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
152, 184, 225

Trichromacy



Original Color

101, 221, 192



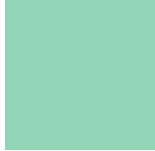
Protanomaly

97, 207, 117



Deuteranomaly

106, 201, 106



Tritanomaly

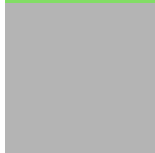
144, 189, 213

Monochromacy



Original Color

101, 221, 192



Achromatopsia

180, 180, 180



Achromatomaly

151, 195, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 101, 221, 192 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(130, 221, 101)` looks like.

```
.text, #text, p{  
    color:rgb(130, 221, 101)  
}
```

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(130, 221, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 221, 101) }
```

Border

The CSS property to change the border of an element to RYB 101, 221, 192 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(130, 221, 101) }
```

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

```
.border{ border-color:rgb(130, 221, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 221, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 221, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 221, 101);  
box-shadow:4px 4px 4px 4px rgb(130, 221,  
101) }
```

Background

The CSS property to change the background color of an element to RYB 101, 221, 192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 221, 101) }
```

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

```
.background{ background-color: rgb(130,  
221, 101) }
```

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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