

Converting Colors

`RYB(100, 218, 177)`

Have a look what the booklet for
RYB(100, 218, 177) contains.

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Color

R_YB(100, 218, 177)

Conversions

Conversions Part 1

Format	Color
Hex	8DDA64
RGB	141, 218, 100
RGB Percent	55%, 85%, 39%
CMY	0.4471, 0.1451, 0.6078
CMYK	0.35, 0.00, 0.54, 0.15
HSL	99°, 61%, 62%
HSV	99°, 54%, 85%
XYZ	38.3562, 56.7256, 20.9842
YIQ	181.5250, -8.0140, -53.0220

Conversions

Conversions Part 2

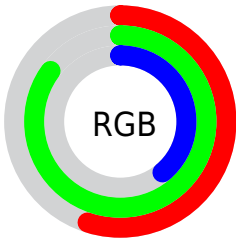
Format	Color
RYB	100, 218, 177
Decimal	9296484
CIELab	80.03, -44.41, 50.04
CIElCh	80, 66.903, 131.592
Yxy	56.7256, 0.3305, 0.4887
Android (android.graphics.Color)	4287486564 (0xFF8DDA64)
YUV	181.5250, -40.1918, -35.5404
Hunter-Lab	75.3164, -40.8996, 36.2025

Details

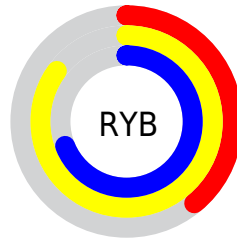
The RYB color **100, 218, 177** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **177, 100, 218**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **154, 255, 211**, and **47, 162, 124** is the 20% darker color. If you saturate the color by 10%, you get **78, 218, 169**, and if you desaturate by 10%, it is **122, 218, 185**.

Distribution



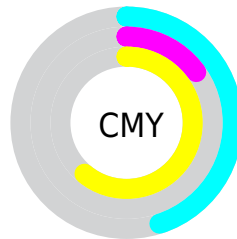
- Red (55%)
- Green (85%)
- Blue (39%)



- Red (39%)
- Yellow (85%)
- Blue (69%)



- Cyan (35%)
- Magenta (0%)
- Yellow (54%)
- Black (15%)



- Cyan (45%)
- Magenta (15%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 218, 177 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 100, 218, 177 by changing the saturation by 10% instead.

 100, 218, 177

255, 255, 255


 154, 255, 211


 181, 255, 209

 210, 255, 210


 238, 255, 238

 100, 218, 177

 74, 190, 151

 47, 162, 124

 17, 136, 96

 0, 110, 87

 0, 85, 85

 0, 61, 61

 0, 40, 40

 0, 0, 0

 100, 218, 177

 100, 218, 177

■ 78, 218, 169

■ 122, 218, 185

■ 56, 218, 161

■ 144, 218, 193

■ 35, 218, 155

■ 165, 218, 199

■ 13, 218, 147

■ 187, 218, 207

■ 0, 218, 142

■ 209, 218, 215

■ 226, 218, 231

■ 241, 218, 253

■ 255, 218, 255

Harmonies

Analogous

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



74, 210, 67



100, 218, 177



0, 133, 226

Triad

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



100, 218, 177



0, 117, 255



255, 142, 177

Complementary

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



100, 218, 177



177, 100, 218

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, 149, 239



100, 218, 177



127, 172, 255

Square

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



100, 218, 177



0, 120, 255



234, 172, 255



255, 173, 118

Rectangle

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



100, 218, 177



0, 122, 229



234, 172, 255



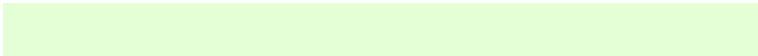
255, 142, 198

Sweetspot

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



100, 218, 177



214, 255, 241



163, 218, 100



103, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

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



100, 218, 177



89, 255, 197



100, 202, 218



99, 110, 107



0, 173, 113



0, 46, 30

Inverse Universe

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



177, 100, 218



197, 89, 255



218, 100, 200



106, 99, 110



113, 0, 173



30, 0, 46

Previews

White Background



This preview shows how the RYB color 100, 218, 177 looks on a white background.

Color Contrast Check

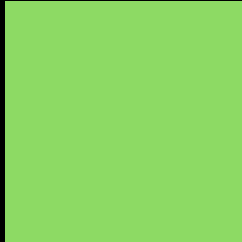
Large Text (above 18pt) WCAG AA × Fail

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 100, 218, 177 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 100, 218, 177 Background



This preview shows how black text looks on a background with the RYB color 100, 218, 177.

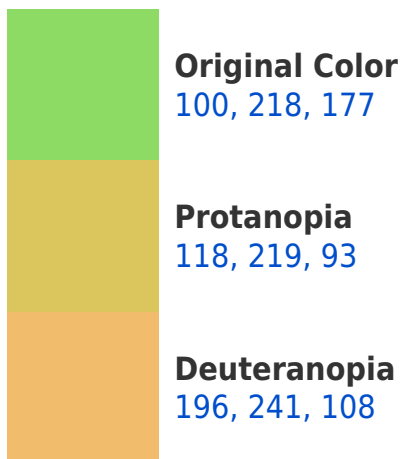


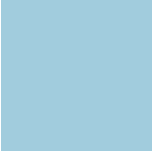
This preview shows how white text looks on a background with the RYB color 100, 218, 177.

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
161, 186, 221

Trichromacy



Original Color

100, 218, 177



Protanomaly

96, 205, 110



Deuteranomaly

111, 205, 105



Tritanomaly

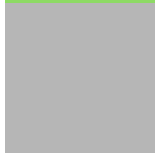
154, 194, 210

Monochromacy



Original Color

100, 218, 177



Achromatopsia

182, 182, 182



Achromatomaly

152, 195, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 218, 177 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(141, 218, 100)` looks like.

```
.text, #text, p{  
    color:rgb(141, 218, 100)  
}
```

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(141, 218, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 218, 100) }
```

Border

The CSS property to change the border of an element to RYB 100, 218, 177 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(141, 218, 100) }
```

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

```
.border{ border-color:rgb(141, 218, 100) }
```

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

Here you see how a box with a 4 pixel rgb(141, 218, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 218, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 218, 100);  
box-shadow:4px 4px 4px 4px rgb(141, 218,  
100) }
```

Background

The CSS property to change the background color of an element to RYB 100, 218, 177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 218, 100) }
```

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

```
.background{ background-color: rgb(141,  
218, 100) }
```

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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