

Converting Colors

`RYB(106, 217, 151)`

Have a look what the booklet for
RYB(106, 217, 151) contains.

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Color

R_YB(106, 217, 151)

Conversions

Conversions Part 1

Format	Color
Hex	ACD96A
RGB	172, 217, 106
RGB Percent	67%, 85%, 42%
CMY	0.3255, 0.1490, 0.5843
CMYK	0.21, 0.00, 0.51, 0.15
HSL	84°, 59%, 63%
HSV	84°, 51%, 85%
XYZ	44.4276, 59.4370, 22.7666
YIQ	190.8910, 8.8110, -44.0610

Conversions

Conversions Part 2

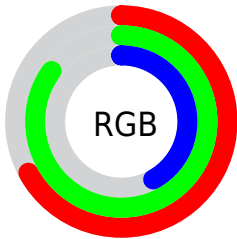
Format	Color
RYB	106, 217, 151
Decimal	11327850
CIELab	81.53, -32.35, 49.45
CIElCh	82, 59.094, 123.196
Yxy	59.4370, 0.3508, 0.4694
Android (android.graphics.Color)	4289517930 (0xFFACD96A)
YUV	190.8910, -41.8513, -16.5674
Hunter-Lab	77.0954, -32.0530, 36.4582

Details

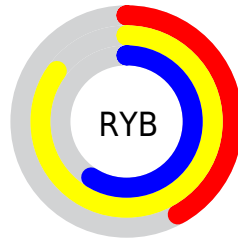
The RYB color **106, 217, 151** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **151, 106, 217**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **160, 255, 186**, and **54, 162, 99** is the 20% darker color. If you saturate the color by 10%, you get **84, 217, 138**, and if you desaturate by 10%, it is **128, 217, 164**.

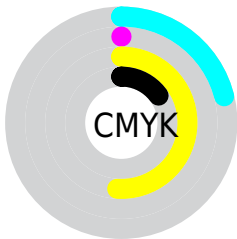
Distribution



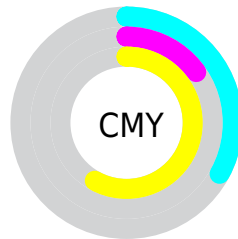
- Red (67%)
- Green (85%)
- Blue (42%)



- Red (42%)
- Yellow (85%)
- Blue (59%)



- Cyan (21%)
- Magenta (0%)
- Yellow (51%)
- Black (15%)



- Cyan (33%)
- Magenta (15%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 217, 151 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 106, 217, 151 by changing the saturation by 10% instead.

 106, 217, 151

255, 255, 255


 160, 255, 186


 187, 255, 187


 216, 255, 216


 245, 255, 245

 106, 217, 151

 80, 189, 125

 54, 162, 99


 26, 135, 71

 0, 110, 46

 0, 85, 47

 0, 62, 58

 0, 40, 40

 0, 10, 10

 0, 0, 0

 106, 217, 151

 106, 217, 151

 84, 217, 138

 128, 217, 164

 63, 217, 126

 149, 217, 176

 41, 217, 112

 171, 217, 190

 19, 217, 99

 193, 217, 203

 0, 217, 88

 215, 217, 216

 225, 217, 236

 234, 217, 255

 242, 217, 255

 251, 217, 255

Harmonies

Analogous

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



121, 229, 88



106, 217, 151



97, 189, 227

Triad

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



106, 217, 151



0, 118, 255



255, 155, 199

Complementary

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



106, 217, 151



151, 106, 217

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, 165, 254



106, 217, 151



113, 170, 255

Square

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



106, 217, 151



0, 121, 255



214, 186, 255



255, 167, 145

Rectangle

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



106, 217, 151



0, 127, 230



214, 186, 255



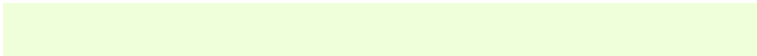
255, 157, 218

Sweetspot

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



106, 217, 151



217, 255, 233



217, 179, 106



105, 128, 115



0, 0, 0



128, 128, 128

Same Dimension

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



106, 217, 151



99, 255, 162



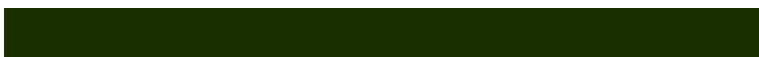
106, 217, 206



99, 110, 104



0, 173, 70



0, 46, 19

Inverse Universe

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



151, 106, 217



163, 99, 255



206, 106, 217



103, 99, 110



70, 0, 173



19, 0, 46

Previews

White Background



This preview shows how the RYB color 106, 217, 151 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 106, 217, 151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

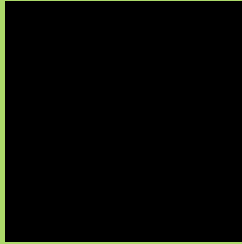
Any Text WCAG AA ✓ Pass

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 106, 217, 151 Background



This preview shows how black text looks on a background with the RYB color 106, 217, 151.

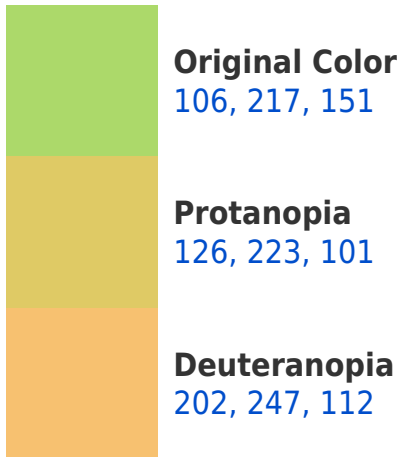



This preview shows how white text looks on a background with the RYB color 106, 217, 151.

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
187, 198, 221

Trichromacy



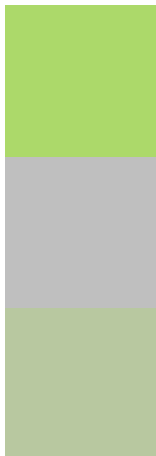
Original Color
106, 217, 151

Protanomaly
103, 207, 106

Deuteranomaly
132, 220, 110

Tritanomaly
179, 209, 206

Monochromacy



Original Color
106, 217, 151

Achromatopsia
191, 191, 191

Achromatomaly
160, 200, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 217, 151 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(172, 217, 106)` looks like.

```
.text, #text, p{  
    color:rgb(172, 217, 106)  
}
```

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(172, 217, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 217, 106) }
```

Border

The CSS property to change the border of an element to RYB 106, 217, 151 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(172, 217, 106) }
```

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

```
.border{ border-color:rgb(172, 217, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 217, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 217, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 217, 106);  
box-shadow:4px 4px 4px 4px rgb(172, 217,  
106) }
```

Background

The CSS property to change the background color of an element to RYB 106, 217, 151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 217, 106) }
```

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

```
.background{ background-color: rgb(172,  
217, 106) }
```

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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