

Converting Colors

`RYB(106, 215, 155)`

Have a look what the booklet for
RYB(106, 215, 155) contains.

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Color

`RYB(106, 215, 155)`

Conversions

Conversions Part 1

Format	Color
Hex	A6D76A
RGB	166, 215, 106
RGB Percent	65%, 84%, 42%
CMY	0.3490, 0.1569, 0.5843
CMYK	0.23, 0.00, 0.51, 0.16
HSL	87°, 58%, 63%
HSV	87°, 51%, 84%
XYZ	42.6278, 57.7485, 22.5355
YIQ	187.9230, 5.7850, -44.2870

Conversions

Conversions Part 2

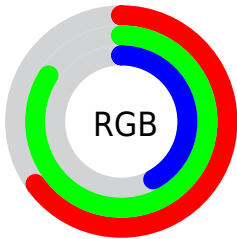
Format	Color
RYB	106, 215, 155
Decimal	10934122
CIELab	80.60, -33.65, 48.25
CIElCh	81, 58.820, 124.893
Yxy	57.7485, 0.3468, 0.4698
Android (android.graphics.Color)	4289124202 (0xFFA6D76A)
YUV	187.9230, -40.3880, -19.2265
Hunter-Lab	75.9924, -32.8574, 35.6123

Details

The RYB color **106, 215, 155** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **155, 106, 215**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **160, 255, 192**, and **54, 160, 103** is the 20% darker color. If you saturate the color by 10%, you get **85, 215, 144**, and if you desaturate by 10%, it is **128, 215, 167**.

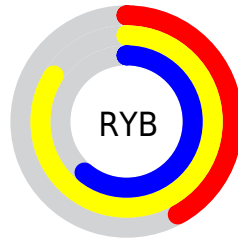
Distribution



Red (65%)

Green (84%)

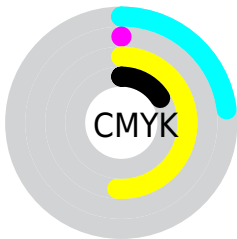
Blue (42%)



Red (42%)

Yellow (84%)

Blue (61%)

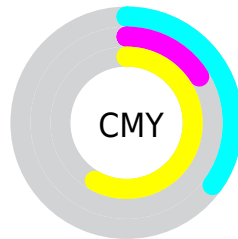


Cyan (23%)

Magenta (0%)

Yellow (51%)

Black (16%)



Cyan (35%)

Magenta (16%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 215, 155 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, 215, 155 by changing the saturation by 10% instead.

 106, 215, 155

255, 255, 255


 160, 255, 192


 187, 255, 190

 216, 255, 216

 245, 255, 245

 106, 215, 155


 80, 187, 129

 54, 160, 103

 27, 134, 76

 0, 108, 50

 0, 83, 52

 0, 60, 60

 0, 38, 38

 0, 4, 4

 0, 0, 0

 106, 215, 155

 106, 215, 155

 85, 215, 144

 128, 215, 167

 63, 215, 131

 149, 215, 179

 42, 215, 120

 171, 215, 191

 20, 215, 108

 192, 215, 202

 0, 215, 97

 214, 215, 215

 224, 215, 235

 234, 215, 255

 243, 215, 255

 253, 215, 255

Harmonies

Analogous

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



115, 224, 86



106, 215, 155



89, 182, 224

Triad

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



106, 215, 155



0, 118, 255



255, 153, 193

Complementary

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



106, 215, 155



155, 106, 215

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, 162, 248



106, 215, 155



118, 170, 255

Square

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



106, 215, 155



0, 120, 255



216, 182, 255



255, 166, 140

Rectangle

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



106, 215, 155



0, 124, 227



216, 182, 255



255, 154, 212

Sweetspot

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



106, 215, 155



217, 255, 234



215, 189, 106



105, 128, 116



0, 0, 0



128, 128, 128

Same Dimension

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



106, 215, 155



99, 255, 169



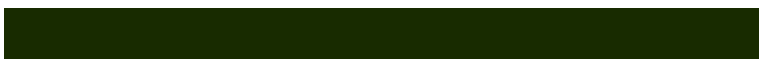
106, 215, 208



96, 107, 101



0, 171, 77



0, 43, 19

Inverse Universe

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



155, 106, 215



169, 99, 255



208, 106, 215



101, 96, 107



77, 0, 171



19, 0, 43

Previews

White Background



This preview shows how the RYB color 106, 215, 155 looks on a white background.

Color Contrast Check

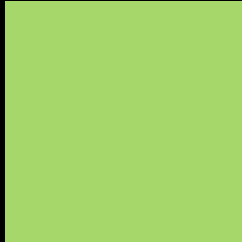
Large Text (above 18pt) WCAG AA × Fail

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, 215, 155 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, 215, 155 Background



This preview shows how black text looks on a background with the RYB color 106, 215, 155.

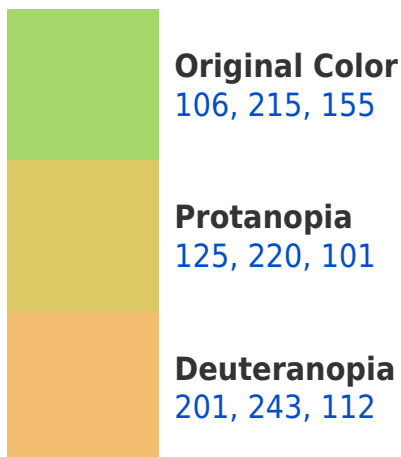



This preview shows how white text looks on a background with the RYB color 106, 215, 155.

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
182, 195, 219

Trichromacy



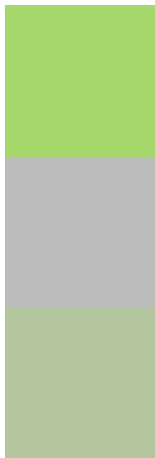
Original Color
106, 215, 155

Protanomaly
103, 205, 108

Deuteranomaly
129, 215, 110

Tritanomaly
176, 205, 207

Monochromacy



Original Color
106, 215, 155

Achromatopsia
188, 188, 188

Achromatomaly
158, 198, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 215, 155 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(166, 215, 106)` looks like.

```
.text, #text, p{  
    color:rgb(166, 215, 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(166, 215, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 215, 106) }
```

Border

The CSS property to change the border of an element to RYB 106, 215, 155 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(166, 215, 106) }
```

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

```
.border{ border-color:rgb(166, 215, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 215, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 215, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 215, 106);  
box-shadow:4px 4px 4px 4px rgb(166, 215,  
106) }
```

Background

The CSS property to change the background color of an element to RYB 106, 215, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 215, 106) }
```

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

```
.background{ background-color: rgb(166,  
215, 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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