Converting Colors

RYB(97, 204, 127)

Have a look what the booklet for RYB(97, 204, 127) contains.

Color

RYB(97, 204, 127)

Conversions

Conversions Part 1

Format	Color
Hex	AECC61
RGB	174, 204, 97
RGB Percent	68%, 80%, 38%
CMY	0.3176, 0.2000, 0.6196
CMYK	0.15, 0.00, 0.52, 0.20
HSL	77°, 51%, 59%
HSV	77°, 52%, 80%
XYZ	41.2061, 53.0475, 19.3767
YIQ	182.8320, 16.4670, -39.6370

Conversions

Conversions Part 2

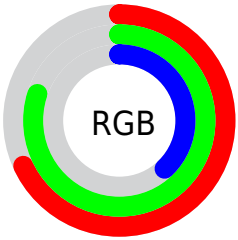
Format	Color
RYB	97, 204, 127
Decimal	11455585
CIELab	77.90, -26.33, 49.41
CIELCh	78, 55.985, 118.056
Yxy	53.0475, 0.3626, 0.4668
Android (android.graphics.Color)	4289645665 (0xFFAECC61)
YUV	182.8320, -42.3152, -7.7457
Hunter-Lab	72.8337, -26.4715, 35.2101

Details

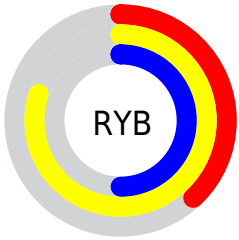
The RYB color 97, 204, 127 is a light color, and the websafe version is hex 99CC66. A complement of this color would be 127, 97, 204, and the grayscale version is 183, 183, 183.

A 20% lighter version of the original color is 150, 255, 174, and 45, 150, 76 is the 20% darker color. If you saturate the color by 10%, you get 77, 204, 113, and if you desaturate by 10%, it is 117, 204, 141.

Distribution

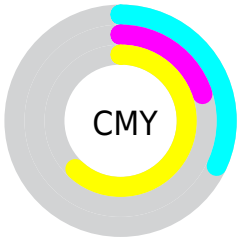


- Red (68%)
- Green (80%)
- Blue (38%)



- Red (38%)
- Yellow (80%)
- Blue (50%)

- Cyan (15%)
- Magenta (0%)
- Yellow (52%)
- Black (20%)



- Cyan (32%)
- Magenta (20%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 97, 204, 127 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 97, 204, 127 by changing the saturation by 10% instead.

97, 204, 127	97, 204, 127
255, 255, 255	71, 177, 102
150, 255, 174	45, 150, 76
178, 255, 178	15, 124, 46
206, 255, 206	0, 99, 32
235, 255, 235	0, 75, 33
	0, 52, 39
	0, 32, 32
	0, 0, 0

97, 204, 127	97, 204, 127

77, 204, 113

56, 204, 97

36, 204, 83

15, 204, 68

0, 204, 57

117, 204, 141

138, 204, 157

158, 204, 171

179, 204, 186

199, 204, 200

208, 204, 219

214, 204, 240

220, 204, 255

225, 204, 255

Harmonies

Analogous

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

135, 226, 85

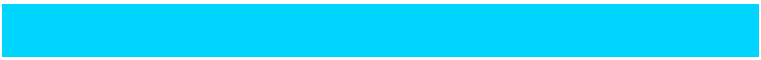
97, 204, 127

108, 192, 214

Triad

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

97, 204, 127



0, 116, 255

255, 149, 198

Complementary

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

97, 204, 127

127, 97, 204

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.

254, 160, 248

97, 204, 127

86, 154, 255

Square

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

97, 204, 127

0, 114, 240

191, 180, 255

255, 153, 147

Rectangle

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

97, 204, 127

26, 136, 218

191, 180, 255

255, 151, 216

Sweetspot

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

97, 204, 127

214, 255, 225

204, 137, 97

103, 128, 110

0, 0, 0

128, 128, 128

Same Dimension

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

97, 204, 127

94, 255, 139

97, 204, 179

92, 102, 95

0, 166, 47

0, 38, 10

Inverse Universe

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

127, 97, 204

139, 94, 255

179, 97, 204

95, 92, 102

46, 0, 166

11, 0, 38

Previews

White Background

This preview shows how the RYB color 97, 204, 127 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

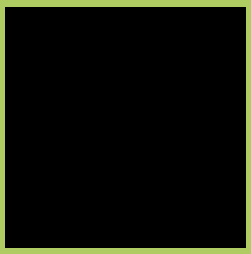
This preview shows how the RYB color 97, 204, 127 looks on a black background.

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 97, 204, 127 Background



This preview shows how black text looks on a background with the RYB color 97, 204, 127.

This preview shows how white text looks on a background with the RYB color 97, 204, 127.

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
97, 204, 127

Protanopia
118, 213, 93

Deuteranopia
187, 235, 102

Tritanopia
187, 191, 207

Trichromacy

Original Color
97, 204, 127

Protanomaly
97, 199, 94

Deuteranomaly
127, 213, 100

Tritanomaly
167, 196, 181

Monochromacy

Original Color
97, 204, 127

Achromatopsia
183, 183, 183

Achromatomaly
152, 191, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 97, 204, 127 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(174, 204, 97) looks like.

```
.text, #text, p{
    color:rgb(174, 204, 97)
}
```

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(174, 204, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 204, 97) }
```

Border

The CSS property to change the border of an element to RYB 97, 204, 127 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(174, 204, 97) }
```

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

```
.border{ border-color:rgb(174, 204, 97) }
```

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

Here you see how a box with a 4 pixel rgb(174, 204, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 204, 97); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 204, 97); box-shadow:4px 4px 4px 4px rgb(174, 204, 97) }
```

Background

The CSS property to change the background color of an element to RYB 97, 204, 127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(174, 204, 97) }
```

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

```
.background{ background-color:rgb(174,
204, 97) }
```

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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