

Converting Colors

RGB(135, 177, 113)

Have a look what the booklet for
RGB(135, 177, 113) contains.

RGB(135, 177, 113)	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

RGB(135, 177, 113)

Conversions

Conversions Part 1

Format	Color
Hex	87B171
RGB	135, 177, 113
RGB Percent	53%, 69%, 44%
CMY	0.4706, 0.3059, 0.5569
CMYK	0.24, 0.00, 0.36, 0.31
HSL	99°, 29%, 57%
HSV	99°, 36%, 69%
XYZ	28.6945, 37.7874, 21.4041
YIQ	157.1460, -4.4880, -28.8080

Conversions

Conversions Part 2

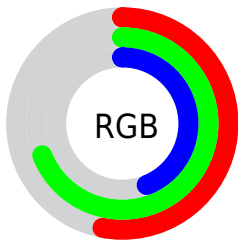
Format	Color
RYB	113, 177, 155
Decimal	8892785
CIELab	67.86, -26.06, 28.30
CIELCh	68, 38.473, 132.639
Yxy	37.7874, 0.3265, 0.4300
Android (android.graphics.Color)	4287082865 (0xFF87B171)
YUV	157.1460, -21.7640, -19.4220
Hunter-Lab	61.4715, -24.2526, 22.3855

Details

The RGB color **135, 177, 113** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **155, 113, 177**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **189, 233, 165**, and **84, 124, 64** is the 20% darker color. If you saturate the color by 10%, you get **123, 177, 95**, and if you desaturate by 10%, it is **147, 177, 131**.

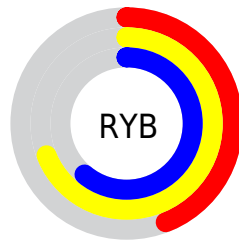
Distribution



Red (53%)

Green (69%)

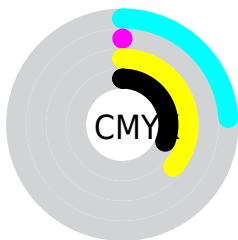
Blue (44%)



Red (44%)

Yellow (69%)

Blue (61%)

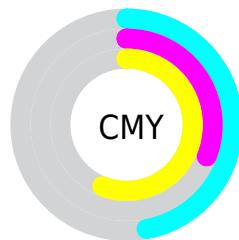


Cyan (24%)

Magenta (0%)

Yellow (36%)

Black (31%)



Cyan (47%)

Magenta (31%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RGB color 135, 177, 113 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 RGB color 135, 177, 113 by changing the saturation by 10% instead.

 135, 177, 113

255, 255, 255

 189, 233, 165


 218, 255, 193

 246, 255, 221

 255, 255, 250


 135, 177, 113

 109, 150, 88

 84, 124, 64

 59, 99, 41

 35, 75, 18

 11, 52, 0


 0, 32, 0

 0, 0, 0

 135, 177, 113


 123, 177, 95


 135, 177, 113


 147, 177, 131


 112, 177, 78


 158, 177, 148

 100, 177, 60

 170, 177, 166


 89, 177, 42


 181, 177, 184


 77, 177, 24

 193, 177, 202


 65, 177, 7

 205, 177, 219

 61, 177, 0

 216, 177, 237

 228, 177, 255

 240, 177, 255

Harmonies

Analogous

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



173, 168, 96



135, 177, 113



90, 182, 143

Triad

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



135, 177, 113



75, 175, 231



233, 138, 152

Complementary

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



135, 177, 113



155, 113, 177

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.



220, 141, 187



135, 177, 113



139, 164, 233

Square

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



135, 177, 113



0, 181, 211



188, 151, 217



227, 145, 120

Rectangle

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



135, 177, 113



54, 184, 167



188, 151, 217



231, 138, 164

Sweetspot

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



135, 177, 113



213, 230, 204



177, 155, 113



105, 115, 100



242, 242, 242



115, 115, 115

Same Dimension

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



135, 177, 113



165, 230, 131



113, 177, 123



83, 89, 80



53, 153, 0



9, 26, 0

Inverse Universe

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



155, 113, 177



196, 131, 230



177, 113, 167



86, 80, 89



100, 0, 153



17, 0, 26

Previews

White Background



This preview shows how the RGB color 135, 177, 113 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 RGB color 135, 177, 113 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](#).

RGB 135, 177, 113 Background



This preview shows how black text looks on a background with the RGB color 135, 177, 113.



This preview shows how white text looks on a background with the RGB color 135, 177, 113.

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](#).

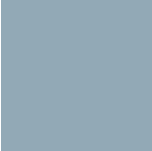
Dichromacy



Original Color
135, 177, 113

Protanopia
179, 165, 108

Deuteranopia
196, 158, 117



Tritanopia
146, 169, 182

Trichromacy



Original Color
135, 177, 113

Protanomaly
163, 169, 110

Deuteranomaly
174, 165, 116

Tritanomaly
142, 172, 157

Monochromacy



Original Color
135, 177, 113

Achromatopsia
157, 157, 157

Achromatomaly
149, 164, 141

CSS Examples

Text

The CSS property to change the color of the text to RGB 135, 177, 113 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(135, 177, 113)` looks like.

```
.text, #text, p{  
    color:rgb(135, 177, 113)  
}
```

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(135, 177, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 177, 113) }
```

Border

The CSS property to change the border of an element to RGB 135, 177, 113 is called "border". The border property can be set on classes, ids or directly on the HTML element.

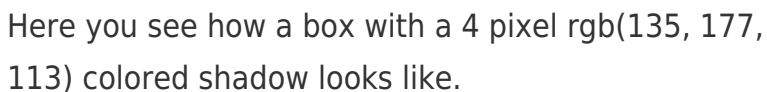
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 177, 113) }
```

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

```
.border{ border-color:rgb(135, 177, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 177, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 177, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 177, 113); box-shadow:4px 4px 4px 4px rgb(135, 177, 113) }
```

Background

The CSS property to change the background color of an element to RGB 135, 177, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 177, 113) }
```

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

```
.background{ background-color: rgb(135,  
177, 113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor