

Converting Colors

RGB(117, 226, 177)

Have a look what the booklet for
RGB(117, 226, 177) contains.

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Color

RGB(117, 226, 177)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 75E2B1 |
| RGB | 117, 226, 177 |
| RGB Percent | 46%, 89%, 69% |
| CMY | 0.5412, 0.1137, 0.3059 |
| CMYK | 0.48, 0.00, 0.22, 0.11 |
| HSL | 153°, 65%, 67% |
| HSV | 153°, 48%, 89% |
| XYZ | 42.4683, 61.3489, 51.1982 |
| YIQ | 187.8230, -49.2350, -38.3470 |

Conversions

Conversions Part 2

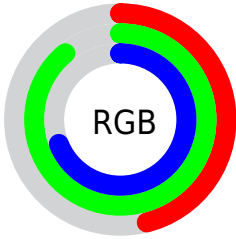
| Format | Color |
|-------------------------------------|---|
| RYB | 117, 187, 226 |
| Decimal | 7725745 |
| CIELab | 82.57, -42.61, 14.42 |
| CIElCh | 83, 44.979, 161.303 |
| Yxy | 61.3489, 0.2740, 0.3958 |
| Android (android.graphics.Color) | 4285915825 (0xFF75E2B1) |
| YUV | 187.8230, -5.3357, -62.1118 |
| Hunter-Lab | 78.3256, -40.2867, 16.0725 |

Details

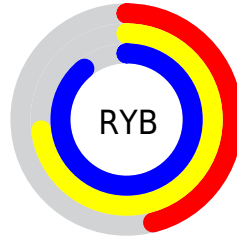
The RGB color **117, 226, 177** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **226, 117, 166**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **175, 255, 233**, and **57, 170, 124** is the 20% darker color. If you saturate the color by 10%, you get **94, 226, 167**, and if you desaturate by 10%, it is **140, 226, 187**.

Distribution



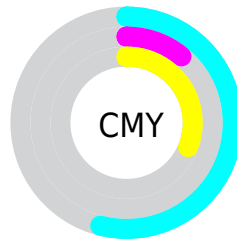
- Red (46%)
- Green (89%)
- Blue (69%)



- Red (46%)
- Yellow (73%)
- Blue (89%)



- Cyan (48%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)



- Cyan (54%)
- Magenta (11%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RGB color 117, 226, 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 RGB color 117, 226, 177 by changing the saturation by 10% instead.

 117, 226, 177


255, 255, 255


 175, 255, 233


 204, 255, 255


 233, 255, 255

 117, 226, 177


 88, 198, 150

 57, 170, 124

 17, 143, 99

 0, 117, 75

 0, 91, 52

 0, 67, 31

 0, 44, 8

 0, 16, 0

 0, 0, 0

 117, 226, 177

 117, 226, 177

 94, 226, 167

 140, 226, 187

 72, 226, 157

 162, 226, 197

 49, 226, 147

 185, 226, 207

 27, 226, 136

 207, 226, 218

 4, 226, 126

 230, 226, 228

 0, 226, 124

 253, 226, 238

 255, 226, 248

 255, 226, 255

Harmonies

Analogous

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



171, 219, 140



117, 226, 177



48, 228, 221

Triad

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



117, 226, 177



170, 204, 255



255, 180, 152

Complementary

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



117, 226, 177



226, 117, 166

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, 172, 191



117, 226, 177



231, 189, 255

Square

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



117, 226, 177



93, 217, 255



255, 176, 234



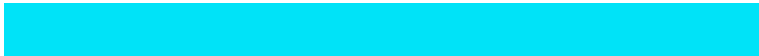
255, 194, 126

Rectangle

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



117, 226, 177



0, 227, 248



255, 176, 234



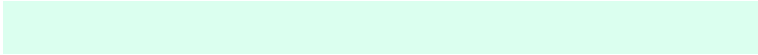
255, 176, 164

Sweetspot

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



117, 226, 177



219, 255, 239



166, 226, 117



106, 128, 118



0, 0, 0



128, 128, 128

Same Dimension

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



117, 226, 177



107, 255, 189



117, 221, 226



101, 112, 107



0, 176, 97



0, 48, 27

Inverse Universe

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



226, 117, 166



255, 107, 174



226, 122, 117



112, 101, 106



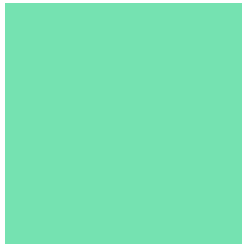
176, 0, 79



48, 0, 22

Previews

White Background



This preview shows how the RGB color 117, 226, 177 looks on a white background.

Color Contrast Check

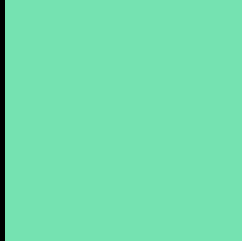
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 117, 226, 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](#).

RGB 117, 226, 177 Background



This preview shows how black text looks on a background with the RGB color 117, 226, 177.

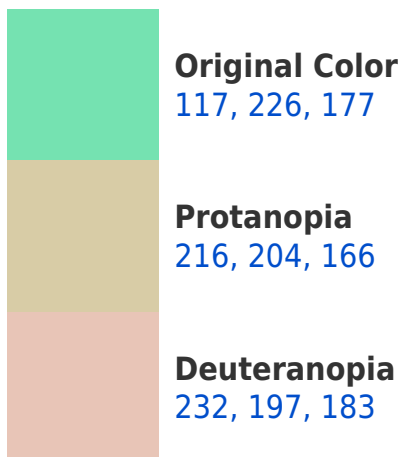


This preview shows how white text looks on a background with the RGB color 117, 226, 177.

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
133, 218, 236

Trichromacy



Original Color

117, 226, 177



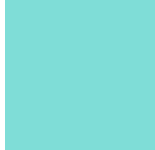
Protanomaly

180, 212, 170



Deuteranomaly

190, 208, 181



Tritanomaly

127, 221, 215

Monochromacy



Original Color

117, 226, 177



Achromatopsia

188, 188, 188



Achromatomaly

162, 202, 184

CSS Examples

Text

The CSS property to change the color of the text to RGB 117, 226, 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(117, 226, 177)` looks like.

```
.text, #text, p{  
    color:rgb(117, 226, 177)  
}
```

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(117, 226, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 226, 177) }
```

Border

The CSS property to change the border of an element to RGB 117, 226, 177 is called "border". The border property can be set on classes, ids or directly on the HTML element.

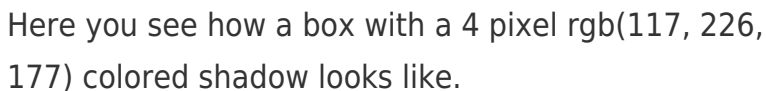
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 226, 177) }
```

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

```
.border{ border-color:rgb(117, 226, 177) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 226, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 226, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 226, 177); box-shadow:4px 4px 4px 4px rgb(117, 226, 177) }
```

Background

The CSS property to change the background color of an element to RGB 117, 226, 177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 226, 177) }
```

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

```
.background{ background-color: rgb(117,  
226, 177) }
```

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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