

# Converting Colors

`RYB(116, 222, 205)`

Have a look what the booklet for  
RYB(116, 222, 205) contains.

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# Color

**R<sub>Y</sub>B(116, 222, 205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85DE74
RGB	133, 222, 116
RGB Percent	52%, 87%, 45%
CMY	0.4784, 0.1294, 0.5451
CMYK	0.40, 0.00, 0.48, 0.13
HSL	110°, 62%, 66%
HSV	110°, 48%, 87%
XYZ	38.9465, 58.4901, 25.7600
YIQ	183.3050, -19.0180, -51.8340

# Conversions

## Conversions Part 2

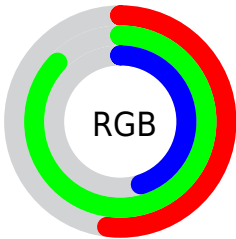
<b>Format</b>	<b>Color</b>
<b>RYB</b>	116, 222, 205
Decimal	8773236
CIELab	81.01, -46.77, 43.56
CIELCh	81, 63.917, 137.035
Yxy	58.4901, 0.3161, 0.4748
Android (android.graphics.Color)	4286963316 (0xFF85DE74)
YUV	183.3050, -33.1814, -44.1175
Hunter-Lab	76.4788, -42.9374, 33.5648

# Details

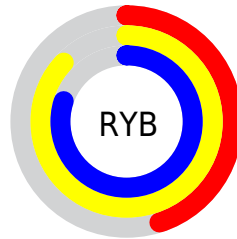
The RYB color **116, 222, 205** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **205, 116, 222**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **170, 255, 235**, and **65, 166, 154** is the 20% darker color. If you saturate the color by 10%, you get **94, 222, 202**, and if you desaturate by 10%, it is **138, 222, 208**.

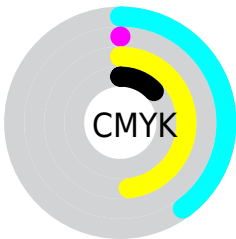
# Distribution



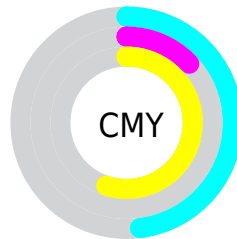
- Red (52%)
- Green (87%)
- Blue (45%)



- Red (45%)
- Yellow (87%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (48%)
- Black (13%)



- Cyan (48%)
- Magenta (13%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 116, 222, 205 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 116, 222, 205 by changing the saturation by 10% instead.



 116, 222, 205


255, 255, 255


 170, 255, 235


 198, 255, 234

 226, 255, 232

 116, 222, 205

 90, 194, 179

 65, 166, 154

 39, 139, 132

 2, 106, 113

 0, 88, 88

 0, 63, 63

 0, 42, 42

 0, 7, 7

 0, 0, 0

 116, 222, 205

 116, 222, 205

 94, 222, 202

 138, 222, 208

 72, 222, 198

 160, 222, 212

 49, 222, 194

 183, 222, 216

 27, 222, 191

 205, 222, 219

 5, 222, 187

 226, 222, 227

 0, 222, 186

 245, 222, 249

 255, 222, 255

# Harmonies

## Analogous

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



80, 209, 87



116, 222, 205



0, 131, 229

# Triad

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



116, 222, 205



0, 117, 255



255, 150, 169

# Complementary

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



116, 222, 205



205, 116, 222

# 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, 152, 230



116, 222, 205



159, 186, 255

# Square

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



116, 222, 205



0, 120, 255



248, 171, 255



255, 194, 116

# Rectangle

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



116, 222, 205



0, 120, 231



248, 171, 255



255, 148, 189

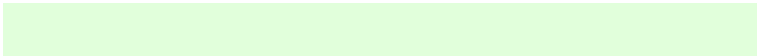


# Sweetspot

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



116, 222, 205



219, 255, 249



138, 222, 116



106, 128, 125



0, 0, 0



128, 128, 128



# Same Dimension

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



116, 222, 205



110, 255, 232



116, 196, 222



101, 112, 110



0, 176, 148



0, 48, 40



# Inverse Universe

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



205, 116, 222



232, 110, 255



222, 116, 187



110, 101, 112



148, 0, 176



41, 0, 48



# Previews

## White Background



This preview shows how the RYB color 116, 222, 205 looks on a white background.

## Color Contrast Check

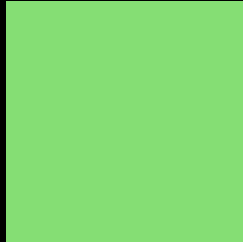
Large Text (above 18pt) WCAG AA × Fail

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 116, 222, 205 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 116, 222, 205 Background**



This preview shows how black text looks on a background with the RYB color 116, 222, 205.

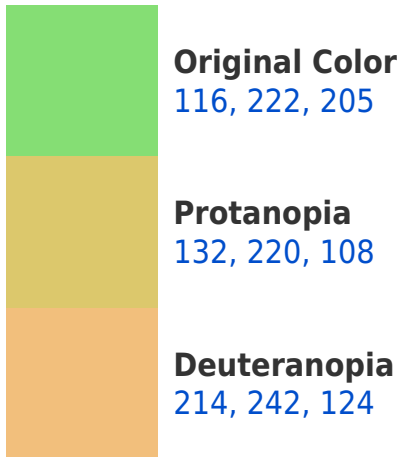


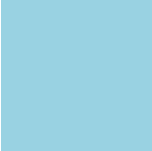
This preview shows how white text looks on a background with the RYB color 116, 222, 205.

# 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**  
153, 185, 226

# Trichromacy



**Original Color**

116, 222, 205



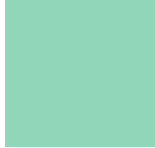
**Protanomaly**

111, 208, 131



**Deuteranomaly**

121, 202, 121



**Tritanomaly**

146, 189, 214

# Monochromacy



**Original Color**

116, 222, 205



**Achromatopsia**

183, 183, 183



**Achromatomaly**

159, 197, 191

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 116, 222, 205 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(133, 222, 116) looks like.

```
.text, #text, p{  
    color:rgb(133, 222, 116)  
}
```

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(133, 222, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 222, 116) }
```

## Border

The CSS property to change the border of an element to RYB 116, 222, 205 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(133, 222, 116) }
```

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

```
.border{ border-color:rgb(133, 222, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 222, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 222, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 222, 116);  
box-shadow:4px 4px 4px 4px rgb(133, 222,  
116) }
```

# Background

The CSS property to change the background color of an element to RYB 116, 222, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 222, 116) }
```

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

```
.background{ background-color: rgb(133,  
222, 116) }
```

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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