

Converting Colors

`RYB(107, 223, 226)`

Have a look what the booklet for
RYB(107, 223, 226) contains.

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Color

R_YB(107, 223, 226)

Conversions

Conversions Part 1

Format	Color
Hex	6BE26E
RGB	107, 226, 110
RGB Percent	42%, 89%, 43%
CMY	0.5804, 0.1137, 0.5683
CMYK	0.53, 0.00, 0.51, 0.11
HSL	122°, 67%, 65%
HSV	122°, 53%, 89%
XYZ	36.0785, 58.6460, 24.1923
YIQ	177.1950, -33.6880, -61.3040

Conversions

Conversions Part 2

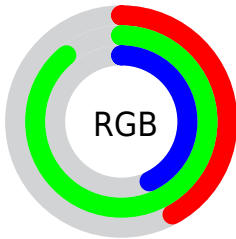
Format	Color
RYB	107, 223, 226
Decimal	7070318
CIELab	81.10, -56.49, 46.27
CIELCh	81, 73.026, 140.680
Yxy	58.6460, 0.3034, 0.4932
Android (android.graphics.Color)	4285260398 (0xFF6BE26E)
YUV	177.1950, -33.1271, -61.5610
Hunter-Lab	76.5807, -49.9218, 34.8764

Details

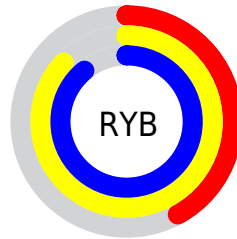
The RYB color **107, 223, 226** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **226, 107, 223**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **164, 255, 253**, and **40, 154, 170** is the 20% darker color. If you saturate the color by 10%, you get **84, 222, 226**, and if you desaturate by 10%, it is **130, 224, 226**.

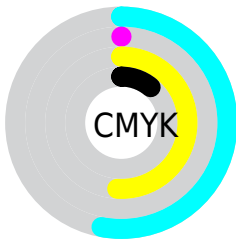
Distribution



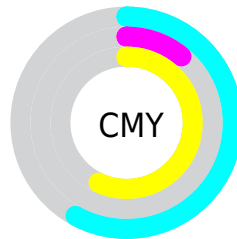
- Red (42%)
- Green (89%)
- Blue (43%)



- Red (42%)
- Yellow (87%)
- Blue (89%)



- Cyan (53%)
- Magenta (0%)
- Yellow (51%)
- Black (11%)



- Cyan (58%)
- Magenta (11%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 223, 226 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 107, 223, 226 by changing the saturation by 10% instead.

 107, 223, 226

255, 255, 255


 164, 255, 253


 192, 255, 251


 220, 255, 249


 249, 255, 249

 107, 223, 226

 76, 189, 197

 40, 154, 170

 0, 117, 142

 0, 116, 116

 0, 90, 90

 0, 65, 65

 0, 43, 43

 0, 8, 8

 0, 0, 0

 107, 223, 226

 107, 223, 226

 84, 222, 226

 130, 224, 226

 62, 222, 226

 152, 224, 226

 39, 221, 226

 175, 225, 226

 17, 221, 226

 197, 225, 226

 0, 220, 226

 220, 226, 226

 243, 226, 242

 255, 226, 255

Harmonies

Analogous

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



61, 212, 81



107, 223, 226



0, 132, 233

Triad

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



107, 223, 226



0, 117, 255



255, 141, 157

Complementary

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



107, 223, 226



226, 107, 223

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, 140, 226



107, 223, 226



164, 185, 255

Square

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



107, 223, 226



0, 121, 255



255, 163, 255



255, 210, 97

Rectangle

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



107, 223, 226



0, 119, 234



255, 163, 255



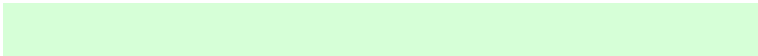
255, 138, 180

Sweetspot

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



107, 223, 226



214, 254, 255



107, 226, 109



103, 127, 128



0, 0, 0



128, 128, 128

Same Dimension

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



107, 223, 226



94, 250, 255



107, 186, 226



101, 112, 112



0, 171, 176



0, 47, 48

Inverse Universe

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



226, 107, 223



255, 94, 251



226, 107, 165



112, 101, 112



176, 0, 171



48, 0, 47

Previews

White Background



This preview shows how the RYB color 107, 223, 226 looks on a white background.

Color Contrast Check

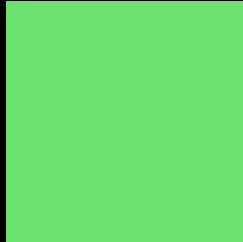
Large Text (above 18pt) WCAG AA × Fail

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 107, 223, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

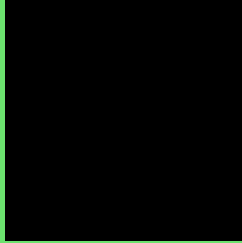
Any Text WCAG AA ✓ Pass

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 107, 223, 226 Background



This preview shows how black text looks on a background with the RYB color 107, 223, 226.

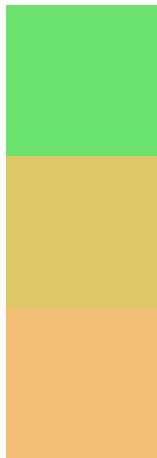


This preview shows how white text looks on a background with the RYB color 107, 223, 226.

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
107, 223, 226

Protanopia
126, 221, 101

Deuteranopia
209, 243, 119



Tritanopia
134, 177, 230

Trichromacy



Original Color

107, 223, 226



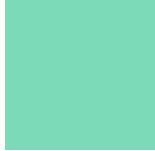
Protanomaly

104, 209, 133



Deuteranomaly

116, 204, 126



Tritanomaly

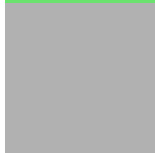
124, 181, 218

Monochromacy



Original Color

107, 223, 226



Achromatopsia

177, 177, 177



Achromatomaly

152, 194, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 107, 223, 226 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(107, 226, 110)` looks like.

```
.text, #text, p{  
    color:rgb(107, 226, 110)  
}
```

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(107, 226, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 226, 110) }
```

Border

The CSS property to change the border of an element to RYB 107, 223, 226 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(107, 226, 110) }
```

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

```
.border{ border-color:rgb(107, 226, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 226, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 226, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 226, 110);  
box-shadow:4px 4px 4px 4px rgb(107, 226,  
110) }
```

Background

The CSS property to change the background color of an element to RYB 107, 223, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 226, 110) }
```

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

```
.background{ background-color: rgb(107,  
226, 110) }
```

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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