

Converting Colors

`RYB(91, 197, 226)`

Have a look what the booklet for
RYB(91, 197, 226) contains.

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Color

RYB(91, 197, 226)

Conversions

Conversions Part 1

Format	Color
Hex	5BE280
RGB	91, 226, 128
RGB Percent	36%, 89%, 50%
CMY	0.6431, 0.1137, 0.4983
CMYK	0.60, 0.00, 0.43, 0.11
HSL	136°, 70%, 62%
HSV	136°, 60%, 89%
XYZ	35.4027, 58.1736, 29.7620
YIQ	174.4630, -49.0020, -59.0980

Conversions

Conversions Part 2

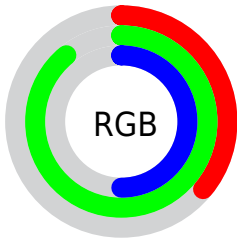
Format	Color
RYB	91, 197, 226
Decimal	6021760
CIELab	80.84, -57.64, 37.16
CIELCh	81, 68.582, 147.191
Yxy	58.1736, 0.2870, 0.4717
Android (android.graphics.Color)	4284211840 (0xFF5BE280)
YUV	174.4630, -22.9063, -73.1971
Hunter-Lab	76.2716, -50.6218, 30.2546

Details

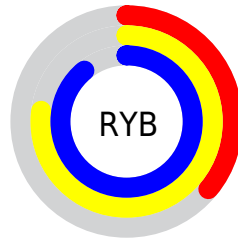
The RYB color **91, 197, 226** is a light color, and the websafe version is hex **33CC66**. The color can be described as light muted spring green. A complement of this color would be **226, 91, 189**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **152, 232, 255**, and **0, 116, 169** is the 20% darker color. If you saturate the color by 10%, you get **68, 192, 226**, and if you desaturate by 10%, it is **114, 202, 226**.

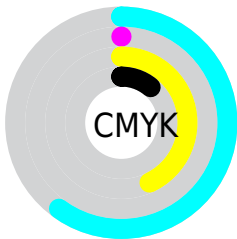
Distribution



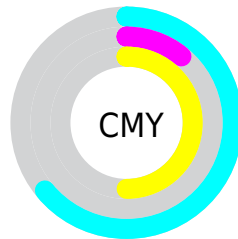
- Red (36%)
- Green (89%)
- Blue (50%)



- Red (36%)
- Yellow (77%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)












- Cyan (64%)
- Magenta (11%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the RYB color 91, 197, 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 91, 197, 226 by changing the saturation by 10% instead.


 91, 197, 226	 91, 197, 226
 255, 255, 255	 57, 163, 197
 152, 232, 255	 0, 116, 169
 182, 235, 255	 0, 104, 142
 212, 239, 255	 0, 94, 116
 242, 249, 255	 0, 90, 90
	 0, 65, 65
	 0, 42, 42
	 0, 6, 6
	 0, 0, 0

 91, 197, 226


 91, 197, 226

 68, 192, 226

 114, 202, 226

 46, 187, 226

 136, 206, 226

 23, 182, 226

 159, 212, 226

 1, 178, 226

 181, 216, 226

 0, 177, 226

 204, 221, 226

 227, 226, 226

 249, 226, 243

 255, 226, 255

Harmonies

Analogous

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



78, 214, 114



91, 197, 226



0, 127, 232

Triad

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



91, 197, 226



0, 115, 255



255, 149, 146

Complementary

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



91, 197, 226



226, 91, 189

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, 143, 209



91, 197, 226



192, 186, 255

Square

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



91, 197, 226



0, 120, 255



255, 160, 255



255, 243, 93

Rectangle

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



91, 197, 226



0, 117, 237



255, 160, 255



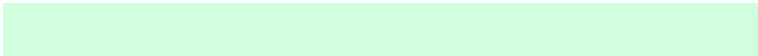
255, 144, 166

Sweetspot

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



91, 197, 226



209, 245, 255



91, 226, 127



99, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



91, 197, 226



71, 215, 255



91, 167, 226



101, 110, 112



0, 138, 176



0, 38, 48

Inverse Universe

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



226, 91, 189



255, 71, 205



226, 91, 123



112, 101, 109



176, 0, 128



48, 0, 35

Previews

White Background



This preview shows how the RYB color 91, 197, 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 91, 197, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

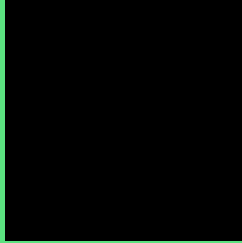
Any Text WCAG AA ✓ Pass

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 91, 197, 226 Background



This preview shows how black text looks on a background with the RYB color 91, 197, 226.

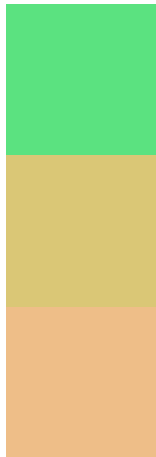


This preview shows how white text looks on a background with the RYB color 91, 197, 226.

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
91, 197, 226

Protanopia
141, 218, 118

Deuteranopia
227, 238, 136



Tritanopia
120, 171, 231

Trichromacy



Original Color

91, 197, 226



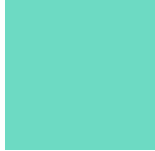
Protanomaly

122, 209, 159



Deuteranomaly

133, 203, 151



Tritanomaly

109, 170, 218

Monochromacy



Original Color

91, 197, 226



Achromatopsia

174, 174, 174



Achromatomaly

144, 183, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 91, 197, 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(91, 226, 128)` looks like.

```
.text, #text, p{  
    color:rgb(91, 226, 128)  
}
```

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(91, 226, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 226, 128) }
```

Border

The CSS property to change the border of an element to RYB 91, 197, 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(91, 226, 128) }
```

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

```
.border{ border-color:rgb(91, 226, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 226, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 226, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 226, 128);  
box-shadow:4px 4px 4px 4px rgb(91, 226,  
128) }
```

Background

The CSS property to change the background color of an element to RGB 91, 197, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 226, 128) }
```

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

```
.background{ background-color: rgb(91, 226,  
128) }
```

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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