

Converting Colors

`RYB(96, 195, 226)`

Have a look what the booklet for
RYB(96, 195, 226) contains.

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Color

R_YB(96, 195, 226)

Conversions

Conversions Part 1

Format	Color
Hex	60E289
RGB	96, 226, 137
RGB Percent	38%, 89%, 54%
CMY	0.6235, 0.1137, 0.4639
CMYK	0.58, 0.00, 0.40, 0.11
HSL	139°, 69%, 63%
HSV	139°, 58%, 89%
XYZ	36.5146, 58.6773, 32.9582
YIQ	176.9840, -48.9110, -55.2390

Conversions

Conversions Part 2

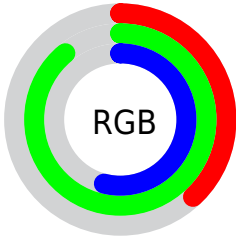
Format	Color
RYB	96, 195, 226
Decimal	6349449
CIELab	81.11, -55.12, 33.15
CIELCh	81, 64.317, 148.973
Yxy	58.6773, 0.2849, 0.4579
Android (android.graphics.Color)	4284539529 (0xFF60E289)
YUV	176.9840, -19.7121, -71.0230
Hunter-Lab	76.6011, -48.9636, 28.1108

Details

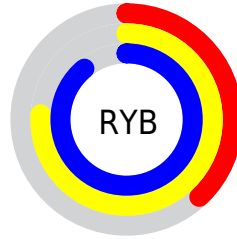
The RYB color **96, 195, 226** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **226, 96, 185**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **156, 229, 255**, and **18, 123, 170** is the 20% darker color. If you saturate the color by 10%, you get **73, 189, 226**, and if you desaturate by 10%, it is **119, 201, 226**.

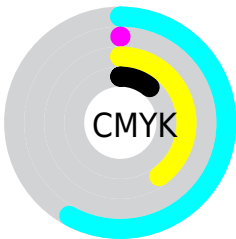
Distribution



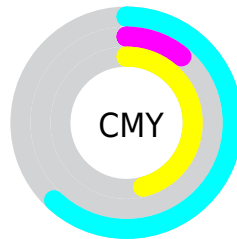
- Red (38%)
- Green (89%)
- Blue (54%)



- Red (38%)
- Yellow (76%)
- Blue (89%)



- Cyan (58%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)















- Cyan (62%)
- Magenta (11%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the RYB color 96, 195, 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 96, 195, 226 by changing the saturation by 10% instead.


 96, 195, 226	 96, 195, 226
 255, 255, 255	 63, 162, 197
 156, 229, 255	 18, 123, 170
 186, 233, 255	 0, 99, 142
 216, 237, 255	 0, 88, 116
 246, 251, 255	 0, 79, 90
	 0, 65, 65
	 0, 43, 43
	 0, 8, 8
	 0, 0, 0


 96, 195, 226


 96, 195, 226

 73, 189, 226

 119, 201, 226

 51, 184, 226

 141, 206, 226

 28, 179, 226

 164, 211, 226

 6, 173, 226

 186, 216, 226

 0, 172, 226

 209, 222, 226

 232, 226, 230

 254, 226, 245

 255, 226, 255

Harmonies

Analogous

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



90, 215, 128



96, 195, 226



0, 125, 231

Triad

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



96, 195, 226



60, 144, 255



255, 156, 147

Complementary

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



96, 195, 226



226, 96, 185

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, 148, 206



96, 195, 226



200, 186, 255

Square

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



96, 195, 226



0, 119, 255



255, 162, 255



255, 249, 98

Rectangle

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



96, 195, 226



0, 117, 239



255, 162, 255



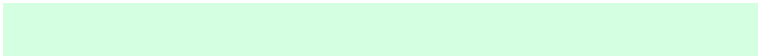
255, 150, 166

Sweetspot

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



96, 195, 226



212, 245, 255



96, 226, 135



102, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



96, 195, 226



79, 213, 255



96, 168, 226



101, 110, 112



0, 134, 176



0, 37, 48

Inverse Universe

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



226, 96, 185



255, 79, 200



226, 96, 122



112, 101, 109



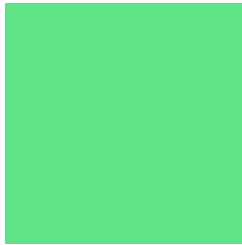
176, 0, 121



48, 0, 33

Previews

White Background



This preview shows how the RYB color 96, 195, 226 looks on a white background.

Color Contrast Check

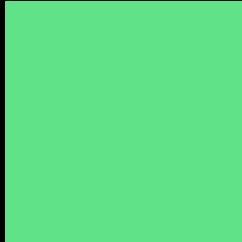
Large Text (above 18pt) WCAG AA × Fail

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 96, 195, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

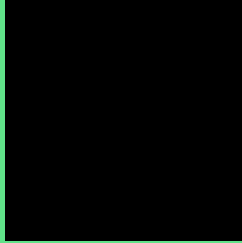
Any Text WCAG AA ✓ Pass

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](#).

R Y B 96, 195, 226 Background



This preview shows how black text looks on a background with the RYB color 96, 195, 226.

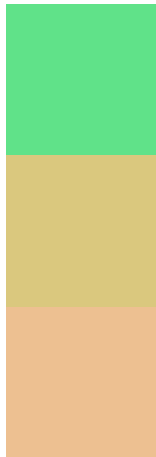


This preview shows how white text looks on a background with the RYB color 96, 195, 226.

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
96, 195, 226

Protanopia
148, 218, 126

Deuteranopia
233, 237, 145



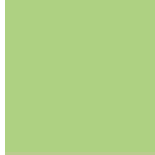
Tritanopia
122, 172, 232

Trichromacy



Original Color

96, 195, 226



Protanomaly

130, 209, 165



Deuteranomaly

142, 204, 160



Tritanomaly

113, 172, 219

Monochromacy



Original Color

96, 195, 226



Achromatopsia

177, 177, 177



Achromatomaly

148, 184, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 96, 195, 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(96, 226, 137)` looks like.

```
.text, #text, p{  
    color:rgb(96, 226, 137)  
}
```

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(96, 226, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 226, 137) }
```

Border

The CSS property to change the border of an element to RYB 96, 195, 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(96, 226, 137) }
```

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

```
.border{ border-color:rgb(96, 226, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 226, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 226, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 226, 137);  
box-shadow:4px 4px 4px 4px rgb(96, 226,  
137) }
```

Background

The CSS property to change the background color of an element to RGB 96, 195, 226 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 226, 137) }
```

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

```
.background{ background-color: rgb(96, 226,  
137) }
```

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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