

Converting Colors

`RYB(101, 225, 233)`

Have a look what the booklet for
RYB(101, 225, 233) contains.

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Color

R_YB(101, 225, 233)

Conversions

Conversions Part 1

Format	Color
Hex	65E96E
RGB	101, 233, 110
RGB Percent	40%, 91%, 43%
CMY	0.6039, 0.0863, 0.5705
CMYK	0.57, 0.00, 0.53, 0.09
HSL	124°, 75%, 65%
HSV	124°, 57%, 91%
XYZ	37.2939, 62.1598, 24.6466
YIQ	179.5100, -39.1890, -66.2370

Conversions

Conversions Part 2

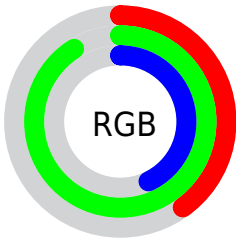
Format	Color
RYB	101, 225, 233
Decimal	6678894
CIELab	83.00, -60.67, 48.80
CIELCh	83, 77.860, 141.189
Yxy	62.1598, 0.3005, 0.5009
Android (android.graphics.Color)	4284868974 (0xFF65E96E)
YUV	179.5100, -34.2684, -68.8533
Hunter-Lab	78.8415, -53.5378, 36.6545

Details

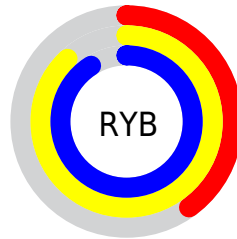
The RYB color **101, 225, 233** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **233, 101, 224**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **162, 253, 255**, and **24, 148, 176** is the 20% darker color. If you saturate the color by 10%, you get **78, 224, 233**, and if you desaturate by 10%, it is **124, 226, 233**.

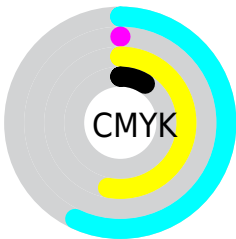
Distribution



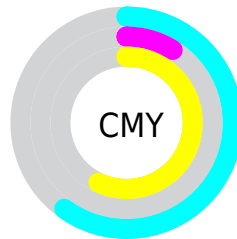
- Red (40%)
- Green (91%)
- Blue (43%)



- Red (40%)
- Yellow (88%)
- Blue (91%)



- Cyan (57%)
- Magenta (0%)
- Yellow (53%)
- Black (9%)



- Cyan (60%)
- Magenta (9%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 101, 225, 233 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 101, 225, 233 by changing the saturation by 10% instead.

 101, 225, 233

255, 255, 255


 162, 253, 255


 191, 255, 254

 220, 255, 253

 249, 255, 252

 101, 225, 233

 68, 190, 204

 24, 149, 176


 0, 125, 149

 0, 122, 122

 0, 96, 96

 0, 71, 71

 0, 48, 48

 0, 18, 18

 0, 0, 0

 101, 225, 233

 101, 225, 233

 78, 224, 233

 124, 226, 233

 54, 222, 233

 148, 228, 233

 31, 221, 233

 171, 229, 233

 8, 220, 233

 194, 230, 233

 0, 219, 233

 218, 232, 233

 241, 233, 240

 255, 233, 255

Harmonies

Analogous

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



53, 219, 78



101, 225, 233



0, 136, 240

Triad

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



101, 225, 233



0, 118, 255



255, 141, 158

Complementary

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



101, 225, 233



233, 101, 224

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, 139, 232



101, 225, 233



167, 189, 255

Square

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



101, 225, 233



0, 123, 255



255, 164, 255



255, 226, 93

Rectangle

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



101, 225, 233



0, 123, 242



255, 164, 255



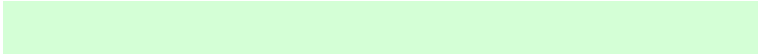
255, 137, 182

Sweetspot

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



101, 225, 233



212, 253, 255



101, 233, 108



102, 126, 128



0, 0, 0



128, 128, 128

Same Dimension

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



101, 225, 233



82, 245, 255



101, 186, 233



106, 117, 117



0, 170, 181



0, 51, 54

Inverse Universe

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



233, 101, 224



255, 82, 244



233, 101, 160



117, 106, 117



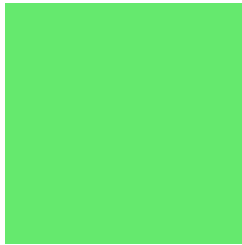
181, 0, 169



54, 0, 50

Previews

White Background



This preview shows how the RYB color 101, 225, 233 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 101, 225, 233 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

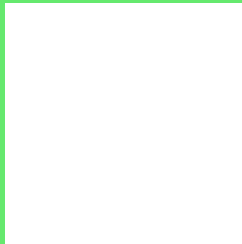
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 101, 225, 233 Background



This preview shows how black text looks on a background with the RYB color 101, 225, 233.

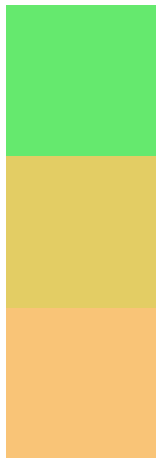


This preview shows how white text looks on a background with the RYB color 101, 225, 233.

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
101, 225, 233

Protanopia
127, 227, 100

Deuteranopia
208, 249, 119



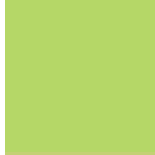
Tritanopia
131, 179, 237

Trichromacy



Original Color

101, 225, 233



Protanomaly

103, 215, 137



Deuteranomaly

116, 209, 130



Tritanomaly

120, 182, 224

Monochromacy



Original Color

101, 225, 233



Achromatopsia

179, 179, 179



Achromatomaly

151, 196, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 101, 225, 233 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(101, 233, 110)` looks like.

```
.text, #text, p{  
    color:rgb(101, 233, 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(101, 233, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 233, 110) }
```

Border

The CSS property to change the border of an element to RYB 101, 225, 233 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(101, 233, 110) }
```

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

```
.border{ border-color:rgb(101, 233, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 233, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 233, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 233, 110);  
box-shadow:4px 4px 4px 4px rgb(101, 233,  
110) }
```

Background

The CSS property to change the background color of an element to RYB 101, 225, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 233, 110) }
```

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

```
.background{ background-color: rgb(101,  
233, 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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