

Converting Colors

`RYB(78, 227, 155)`

Have a look what the booklet for
RYB(78, 227, 155) contains.

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Color

R_YB(78, 227, 155)

Conversions

Conversions Part 1

Format	Color
Hex	96E34E
RGB	150, 227, 78
RGB Percent	59%, 89%, 31%
CMY	0.4118, 0.1098, 0.6941
CMYK	0.34, 0.00, 0.66, 0.11
HSL	91°, 73%, 60%
HSV	91°, 66%, 89%
XYZ	41.4219, 61.9723, 16.9864
YIQ	186.9910, 1.9370, -62.6630

Conversions

Conversions Part 2

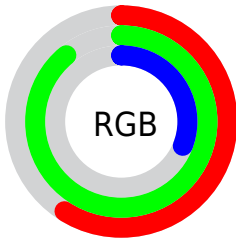
Format	Color
RYB	78, 227, 155
Decimal	9888590
CIELab	82.90, -47.20, 62.85
CIELCh	83, 78.602, 126.909
Yxy	61.9723, 0.3441, 0.5148
Android (android.graphics.Color)	4288078670 (0xFF96E34E)
YUV	186.9910, -53.7326, -32.4411
Hunter-Lab	78.7225, -43.8418, 42.3124

Details

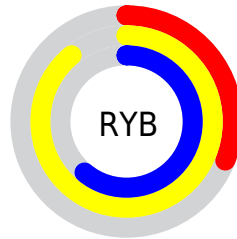
The RYB color **78, 227, 155** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **155, 78, 227**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **133, 255, 180**, and **9, 171, 87** is the 20% darker color. If you saturate the color by 10%, you get **55, 227, 144**, and if you desaturate by 10%, it is **101, 227, 166**.

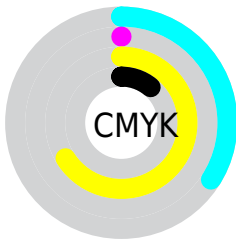
Distribution



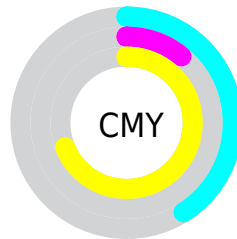
- Red (59%)
- Green (89%)
- Blue (31%)



- Red (31%)
- Yellow (89%)
- Blue (61%)



- Cyan (34%)
- Magenta (0%)
- Yellow (66%)
- Black (11%)




















- Cyan (41%)
- Magenta (11%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 227, 155 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 78, 227, 155 by changing the saturation by 10% instead.

 78, 227, 155	 78, 227, 155
 255, 255, 255	 49, 199, 127
 133, 255, 180	 9, 171, 87
 161, 255, 178	 0, 144, 81
 190, 255, 190	 0, 118, 89
 219, 255, 219	 0, 93, 93
 248, 255, 248	 0, 68, 68
	 0, 46, 46
	 0, 18, 18
	 0, 0, 0

 78, 227, 155

 78, 227, 155

 55, 227, 144

 101, 227, 166

 33, 227, 133

 123, 227, 177

 10, 227, 122

 146, 227, 188

 0, 227, 117

 169, 227, 199

 192, 227, 210

 214, 227, 221

 232, 227, 237

 244, 227, 255

 255, 227, 255

Harmonies

Analogous

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



58, 228, 36



78, 227, 155



0, 148, 238

Triad

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



78, 227, 155



0, 121, 255



255, 135, 192

Complementary

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



78, 227, 155



155, 78, 227

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, 255



78, 227, 155



59, 144, 255

Square

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



78, 227, 155



0, 123, 255



231, 179, 255



255, 160, 121

Rectangle

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



78, 227, 155



0, 133, 241



231, 179, 255



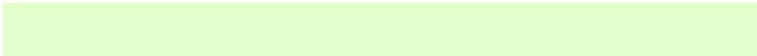
255, 136, 217

Sweetspot

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



78, 227, 155



204, 255, 230



217, 227, 78



97, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



78, 227, 155



54, 255, 158



78, 225, 227



103, 115, 109



0, 179, 93



0, 51, 26

Inverse Universe

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



155, 78, 227



158, 54, 255



227, 78, 225



109, 103, 115



92, 0, 179



26, 0, 51

Previews

White Background



This preview shows how the RYB color 78, 227, 155 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 78, 227, 155 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 78, 227, 155 Background



This preview shows how black text looks on a background with the RYB color 78, 227, 155.

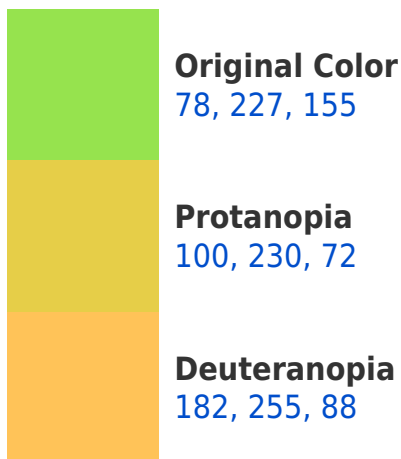


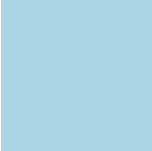
This preview shows how white text looks on a background with the RYB color 78, 227, 155.

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
171, 195, 229

Trichromacy



Original Color

78, 227, 155



Protanomaly

74, 214, 87



Deuteranomaly

95, 217, 84



Tritanomaly

163, 208, 217

Monochromacy



Original Color

78, 227, 155



Achromatopsia

187, 187, 187



Achromatomaly

147, 202, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 227, 155 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(150, 227, 78) looks like.

```
.text, #text, p{  
    color:rgb(150, 227, 78)  
}
```

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(150, 227, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 227, 78) }
```

Border

The CSS property to change the border of an element to RYB 78, 227, 155 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(150, 227, 78) }
```

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

```
.border{ border-color:rgb(150, 227, 78) }
```

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

Here you see how a box with a 4 pixel rgb(150, 227, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 227, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 227, 78);  
box-shadow:4px 4px 4px 4px rgb(150, 227,  
78) }
```

Background

The CSS property to change the background color of an element to RYB 78, 227, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 227, 78) }
```

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

```
.background{ background-color: rgb(150,  
227, 78) }
```

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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