

Converting Colors

`RYB(78, 169, 100)`

Have a look what the booklet for
RYB(78, 169, 100) contains.

RYB(78, 169, 100)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(78, 169, 100)$

Conversions

Conversions Part 1

Format	Color
Hex	93A94E
RGB	147, 169, 78
RGB Percent	58%, 66%, 31%
CMY	0.4235, 0.3373, 0.6941
CMYK	0.13, 0.00, 0.54, 0.34
HSL	75°, 37%, 48%
HSV	75°, 54%, 66%
XYZ	27.5957, 35.1290, 12.5339
YIQ	152.0480, 16.0990, -32.9650

Conversions

Conversions Part 2

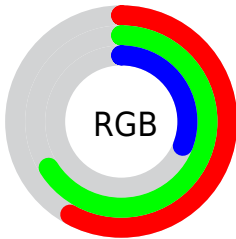
Format	Color
RYB	78, 169, 100
Decimal	9677134
CIELab	65.85, -21.71, 43.83
CIELCh	66, 48.912, 116.355
Yxy	35.1290, 0.3667, 0.4668
Android (android.graphics.Color)	4287867214 (0xFF93A94E)
YUV	152.0480, -36.5057, -4.4271
Hunter-Lab	59.2698, -20.6133, 28.9507

Details

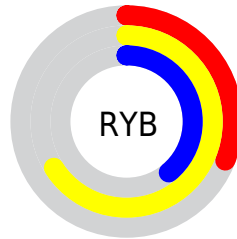
The RYB color **78, 169, 100** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **100, 78, 169**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **130, 224, 151**, and **27, 117, 50** is the 20% darker color. If you saturate the color by 10%, you get **61, 169, 87**, and if you desaturate by 10%, it is **95, 169, 113**.

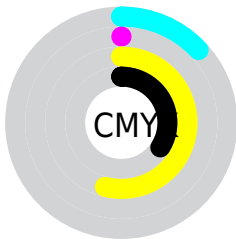
Distribution



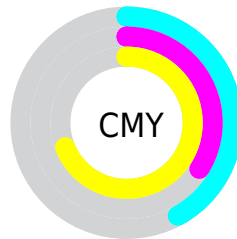
- Red (58%)
- Green (66%)
- Blue (31%)



- Red (31%)
- Yellow (66%)
- Blue (39%)



- Cyan (13%)
- Magenta (0%)
- Yellow (54%)
- Black (34%)




- Cyan (42%)
- Magenta (34%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the RYB color 78, 169, 100 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, 169, 100 by changing the saturation by 10% instead.

 78, 169, 100  78, 169, 100

255, 255, 255  53, 143, 76


 130, 224, 151  27, 117, 50

 156, 253, 178  0, 92, 23

 184, 255, 184  0, 69, 24

 212, 255, 212  0, 46, 28

 241, 255, 241  0, 28, 28

 0, 0, 0

 78, 169, 100  78, 169, 100

 61, 169, 87  95, 169, 113

■ 44, 169, 74

■ 112, 169, 126

■ 27, 169, 61

■ 129, 169, 139

■ 10, 169, 48

■ 146, 169, 152

■ 0, 169, 41

■ 162, 169, 164

■ 172, 169, 179

■ 176, 169, 196

■ 180, 169, 213

■ 184, 169, 230

Harmonies

Analogous

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



117, 190, 70



78, 169, 100



93, 164, 178

Triad

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



78, 169, 100



0, 100, 232



238, 123, 167

Complementary

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



78, 169, 100



100, 78, 169

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.



209, 134, 209



78, 169, 100



62, 129, 247

Square

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



78, 169, 100



0, 95, 198



154, 151, 239



241, 126, 123

Rectangle

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



78, 169, 100



30, 118, 181



154, 151, 239



231, 125, 182

Sweetspot

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



78, 169, 100



184, 219, 192



169, 105, 78



89, 110, 94



237, 237, 237



110, 110, 110

Same Dimension

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



78, 169, 100



77, 219, 111



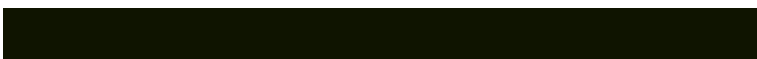
78, 169, 145



76, 84, 78



0, 148, 36



0, 20, 5

Inverse Universe

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



100, 78, 169



111, 77, 219



145, 78, 169



78, 76, 84



36, 0, 148



5, 0, 20

Previews

White Background



This preview shows how the RYB color 78, 169, 100 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, 169, 100 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 78, 169, 100 Background



This preview shows how black text looks on a background with the R Y B color 78, 169, 100.

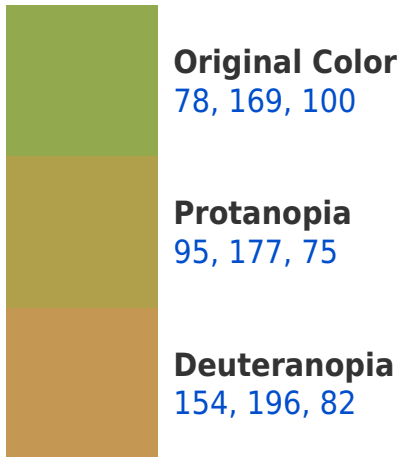


This preview shows how white text looks on a background with the R Y B color 78, 169, 100.

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
158, 159, 172

Trichromacy



Original Color
78, 169, 100

Protanomaly
79, 166, 76

Deuteranomaly
106, 178, 81

Tritanomaly
138, 163, 147

Monochromacy



Original Color
78, 169, 100

Achromatopsia
152, 152, 152

Achromatomaly
125, 158, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 169, 100 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(147, 169, 78)` looks like.

```
.text, #text, p{  
    color:rgb(147, 169, 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(147, 169, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 169, 78) }
```

Border

The CSS property to change the border of an element to RYB 78, 169, 100 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(147, 169, 78) }
```

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

```
.border{ border-color:rgb(147, 169, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 169, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 169, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 169, 78);  
box-shadow:4px 4px 4px 4px rgb(147, 169,  
78) }
```

Background

The CSS property to change the background color of an element to RGB 78, 169, 100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 169, 78) }
```

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

```
.background{ background-color: rgb(147,  
169, 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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