

Converting Colors

`RYB(78, 138, 78)`

Have a look what the booklet for
RYB(78, 138, 78) contains.

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Color

R_YB(78, 138, 78)

Conversions

Conversions Part 1

Format	Color
Hex	8A8A4E
RGB	138, 138, 78
RGB Percent	54%, 54%, 31%
CMY	0.4588, 0.4588, 0.6941
CMYK	0.00, 0.00, 0.43, 0.46
HSL	60°, 28%, 42%
HSV	60°, 43%, 54%
XYZ	20.9449, 24.1303, 10.7614
YIQ	131.1600, 19.2600, -18.6600

Conversions

Conversions Part 2

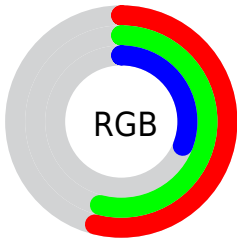
Format	Color
RYB	78, 138, 78
Decimal	9079374
CIELab	56.22, -9.28, 32.04
CIELCh	56, 33.360, 106.148
Yxy	24.1303, 0.3751, 0.4322
Android (android.graphics.Color)	4287269454 (0xFF8A8A4E)
YUV	131.1600, -26.2079, 5.9987
Hunter-Lab	49.1226, -9.8558, 21.3970

Details

The RYB color **78, 138, 78** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **78, 78, 138**, and the grayscale version is **131, 131, 131**.

A 20% lighter version of the original color is **130, 193, 128**, and **31, 88, 33** is the 20% darker color. If you saturate the color by 10%, you get **64, 138, 64**, and if you desaturate by 10%, it is **92, 138, 92**.

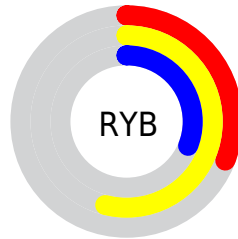
Distribution



Red (54%)

Green (54%)

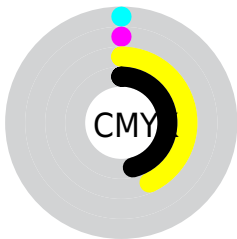
Blue (31%)



Red (31%)

Yellow (54%)

Blue (31%)

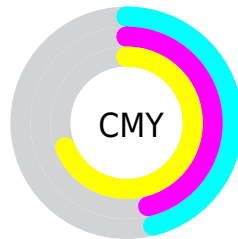


Cyan (0%)

Magenta (0%)

Yellow (43%)

Black (46%)



Cyan (46%)

Magenta (46%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 138, 78 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, 138, 78 by changing the saturation by 10% instead.



78, 138, 78



78, 138, 78

255, 255, 255



54, 113, 55



130, 193, 128



31, 88, 33



157, 221, 155



7, 65, 10



184, 250, 182



0, 43, 4



209, 255, 209



0, 23, 12



238, 255, 238



0, 0, 0



78, 138, 78



78, 138, 78



64, 138, 64



92, 138, 92



50, 138, 50



106, 138, 106

■ 37, 138, 37

■ 119, 138, 119

■ 23, 138, 23

■ 133, 138, 133

■ 9, 138, 9

■ 138, 138, 147

■ 0, 138, 0

■ 138, 138, 161

■ 138, 138, 175

■ 138, 138, 188

■ 138, 138, 202

Harmonies

Analogous

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



142, 165, 78



78, 138, 78



94, 145, 134

Triad

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



78, 138, 78



0, 80, 176



183, 114, 149

Complementary

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



78, 138, 78



78, 78, 138

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.



158, 122, 175



78, 138, 78



66, 113, 191

Square

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



78, 138, 78



10, 80, 150



118, 130, 190



191, 112, 120

Rectangle

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



78, 138, 78



81, 128, 148



118, 130, 190



176, 116, 159

Sweetspot

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



78, 138, 78



155, 179, 155



138, 78, 78



75, 89, 75



217, 217, 217



89, 89, 89

Same Dimension

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



78, 138, 78



86, 179, 86



78, 138, 108



62, 69, 62



0, 133, 0



0, 5, 0

Inverse Universe

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



78, 78, 138



86, 86, 179



108, 78, 138



62, 62, 69



0, 0, 133



0, 0, 5

Previews

White Background



This preview shows how the RYB color 78, 138, 78 looks on a white background.

Color Contrast Check

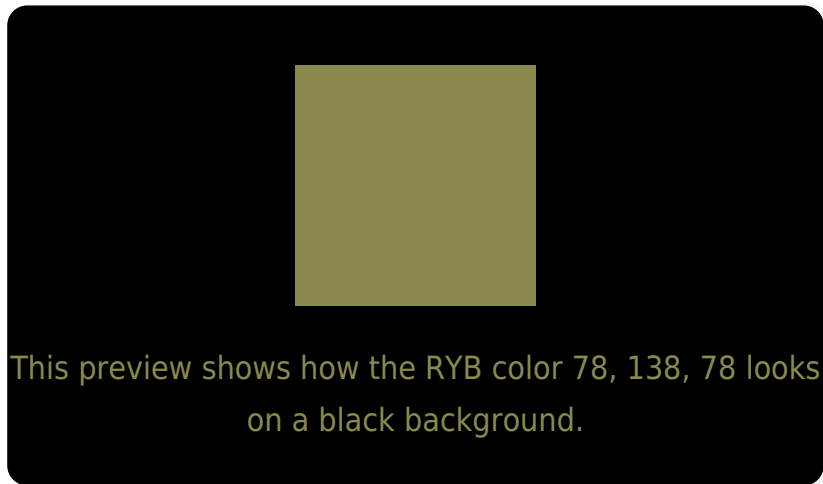
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

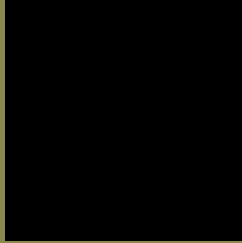
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

R Y B 78, 138, 78 Background



This preview shows how black text looks on a background with the R Y B color 78, 138, 78.



This preview shows how white text looks on a background with the R Y B color 78, 138, 78.

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


78, 138, 78

Protanopia

93, 148, 77

Deuteranopia

140, 164, 80



Tritanopia
145, 131, 141

Trichromacy



Original Color

78, 138, 78

Protanomaly

86, 144, 77

Deuteranomaly

112, 155, 79

Tritanomaly

130, 142, 118

Monochromacy



Original Color

78, 138, 78

Achromatopsia

131, 131, 131

Achromatomaly

112, 134, 112

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 138, 78 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(138, 138, 78)` looks like.

```
.text, #text, p{  
    color:rgb(138, 138, 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(138, 138, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 138, 78) }
```

Border

The CSS property to change the border of an element to RYB 78, 138, 78 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(138, 138, 78) }
```

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

```
.border{ border-color:rgb(138, 138, 78) }
```

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

Here you see how a box with a 4 pixel rgb(138, 138, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 138, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 138, 78);  
box-shadow:4px 4px 4px 4px rgb(138, 138,  
78) }
```

Background

The CSS property to change the background color of an element to RYB 78, 138, 78 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 138, 78) }
```

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

```
.background{ background-color: rgb(138,  
138, 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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