

Converting Colors

`RYB(78, 174, 132)`

Have a look what the booklet for
RYB(78, 174, 132) contains.

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Color

$\text{RYB}(78, 174, 132)$

Conversions

Conversions Part 1

Format	Color
Hex	78AE4E
RGB	120, 174, 78
RGB Percent	47%, 68%, 31%
CMY	0.5294, 0.3176, 0.6941
CMYK	0.31, 0.00, 0.55, 0.32
HSL	94°, 38%, 49%
HSV	94°, 55%, 68%
XYZ	24.2569, 34.8152, 12.6493
YIQ	146.9100, -1.3680, -41.3040

Conversions

Conversions Part 2

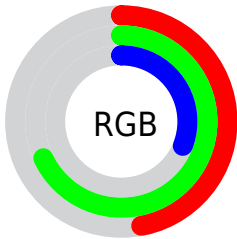
Format	Color
RYB	78, 174, 132
Decimal	7908942
CIELab	65.60, -34.59, 43.11
CIELCh	66, 55.271, 128.743
Yxy	34.8152, 0.3382, 0.4854
Android (android.graphics.Color)	4286099022 (0xFF78AE4E)
YUV	146.9100, -33.9726, -23.6001
Hunter-Lab	59.0044, -29.8758, 28.5926

Details

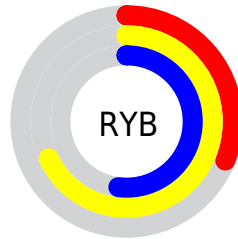
The RYB color **78, 174, 132** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **132, 78, 174**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **130, 230, 185**, and **27, 121, 81** is the 20% darker color. If you saturate the color by 10%, you get **61, 174, 125**, and if you desaturate by 10%, it is **95, 174, 139**.

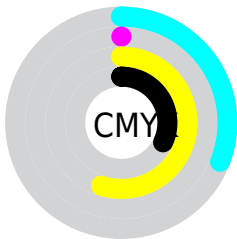
Distribution



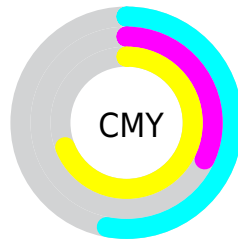
- Red (47%)
- Green (68%)
- Blue (31%)



- Red (31%)
- Yellow (68%)
- Blue (52%)



- Cyan (31%)
- Magenta (0%)
- Yellow (55%)
- Black (32%)



- Cyan (53%)
- Magenta (32%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 174, 132 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, 174, 132 by changing the saturation by 10% instead.



78, 174, 132



78, 174, 132

255, 255, 255



53, 147, 107



130, 230, 185



27, 121, 81



157, 255, 209



0, 96, 56



184, 255, 207



0, 72, 61



212, 255, 212



0, 49, 49



241, 255, 241



0, 28, 28



0, 0, 0



78, 174, 132



78, 174, 132



61, 174, 125



95, 174, 139

■ 43, 174, 117

■ 113, 174, 147

■ 26, 174, 109

■ 130, 174, 155

■ 8, 174, 101

■ 148, 174, 163

■ 0, 174, 98

■ 165, 174, 170

■ 179, 174, 182

■ 189, 174, 200

■ 198, 174, 217

■ 208, 174, 235

Harmonies

Analogous

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



68, 173, 55



78, 174, 132



29, 123, 181

Triad

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



78, 174, 132



0, 103, 251



251, 115, 147

Complementary

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



78, 174, 132



132, 78, 174

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.



231, 122, 196



78, 174, 132



93, 140, 255

Square

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



78, 174, 132



0, 100, 220



181, 140, 237



244, 130, 100

Rectangle

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



78, 174, 132



0, 99, 183



181, 140, 237



247, 115, 163

Sweetspot

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



78, 174, 132



188, 227, 210



156, 174, 78



92, 115, 105



242, 242, 242



115, 115, 115

Same Dimension

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



78, 174, 132



77, 227, 161



78, 169, 174



78, 87, 83



0, 150, 84



0, 23, 13

Inverse Universe

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



132, 78, 174



161, 77, 227



174, 78, 169



83, 78, 87



85, 0, 150



13, 0, 23

Previews

White Background



This preview shows how the RYB color 78, 174, 132 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, 174, 132 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, 174, 132 Background



This preview shows how black text looks on a background with the RYB color 78, 174, 132.



This preview shows how white text looks on a background with the RYB color 78, 174, 132.

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

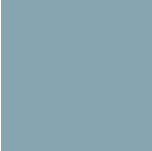
78, 174, 132

Protanopia

93, 176, 73

Deuteranopia

155, 194, 84



Tritanopia
135, 152, 177

Trichromacy



Original Color

78, 174, 132

Protanomaly

75, 164, 83

Deuteranomaly

91, 167, 82

Tritanomaly

130, 159, 168

Monochromacy



Original Color

78, 174, 132

Achromatopsia

147, 147, 147

Achromatomaly

122, 157, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 174, 132 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(120, 174, 78)` looks like.

```
.text, #text, p{  
    color:rgb(120, 174, 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(120, 174, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 174, 78) }
```

Border

The CSS property to change the border of an element to RYB 78, 174, 132 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(120, 174, 78) }
```

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

```
.border{ border-color:rgb(120, 174, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 174, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 174, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 174, 78);  
box-shadow:4px 4px 4px 4px rgb(120, 174,  
78) }
```

Background

The CSS property to change the background color of an element to RGB 78, 174, 132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 174, 78) }
```

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

```
.background{ background-color: rgb(120,  
174, 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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