

Converting Colors

`RYB(78, 140, 117)`

Have a look what the booklet for
RYB(78, 140, 117) contains.

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Color

R_YB(78, 140, 117)

Conversions

Conversions Part 1

Format	Color
Hex	658C4E
RGB	101, 140, 78
RGB Percent	40%, 55%, 31%
CMY	0.6039, 0.4510, 0.6941
CMYK	0.28, 0.00, 0.44, 0.45
HSL	98°, 28%, 43%
HSV	98°, 44%, 55%
XYZ	16.1201, 22.0729, 10.6186
YIQ	121.2710, -3.3420, -27.5500

Conversions

Conversions Part 2

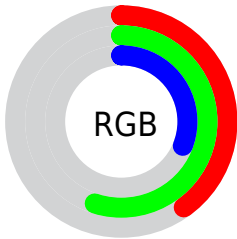
Format	Color
RYB	78, 140, 117
Decimal	6655054
CIELab	54.10, -25.41, 28.81
CIElCh	54, 38.414, 131.409
Yxy	22.0729, 0.3303, 0.4522
Android (android.graphics.Color)	4284845134 (0xFF658C4E)
YUV	121.2710, -21.3326, -17.7777
Hunter-Lab	46.9818, -20.9726, 19.4868

Details

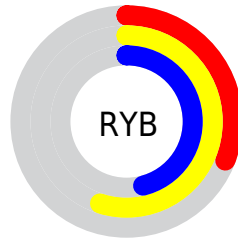
The RYB color **78, 140, 117** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **117, 78, 140**, and the grayscale version is **121, 121, 121**.

A 20% lighter version of the original color is **128, 194, 169**, and **31, 90, 70** is the 20% darker color. If you saturate the color by 10%, you get **64, 140, 112**, and if you desaturate by 10%, it is **92, 140, 122**.

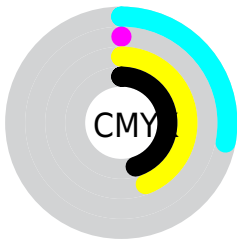
Distribution



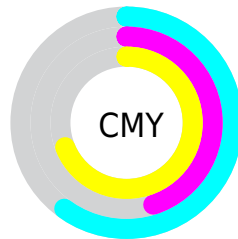
- Red (40%)
- Green (55%)
- Blue (31%)



- Red (31%)
- Yellow (55%)
- Blue (46%)



- Cyan (28%)
- Magenta (0%)
- Yellow (44%)
- Black (45%)



- Cyan (60%)
- Magenta (45%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 140, 117 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, 140, 117 by changing the saturation by 10% instead.



78, 140, 117



78, 140, 117

255, 255, 255



54, 114, 92



128, 194, 169



31, 90, 70



154, 222, 195



8, 66, 47



181, 250, 222



0, 43, 39



209, 255, 227



0, 23, 23



238, 255, 238



0, 0, 0



78, 140, 117



78, 140, 117



64, 140, 112




92, 140, 122




50, 140, 107




106, 140, 127

 36, 140, 101


 120, 140, 133


 22, 140, 96


 134, 140, 138


 8, 140, 91


 145, 140, 148

 0, 140, 88

 154, 140, 162

 163, 140, 176

 171, 140, 190

 180, 140, 204

Harmonies

Analogous

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



67, 137, 62



78, 140, 117



54, 112, 145

Triad

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



78, 140, 117



0, 81, 192



192, 102, 118

Complementary

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



78, 140, 117



117, 78, 140

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.



180, 105, 151



78, 140, 117



98, 121, 194

Square

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



78, 140, 117



0, 79, 172



149, 116, 179



187, 115, 87

Rectangle

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



78, 140, 117



0, 77, 146



149, 116, 179



190, 102, 129

Sweetspot

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



78, 140, 117



158, 181, 173



117, 140, 78



77, 92, 86



219, 219, 219



92, 92, 92

Same Dimension

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



78, 140, 117



85, 181, 145



78, 134, 140



62, 69, 66



0, 133, 84



0, 5, 3

Inverse Universe

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



117, 78, 140



145, 85, 181



140, 78, 133



66, 62, 69



83, 0, 133



3, 0, 5

Previews

White Background



This preview shows how the RYB color 78, 140, 117 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



This preview shows how the RYB color 78, 140, 117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

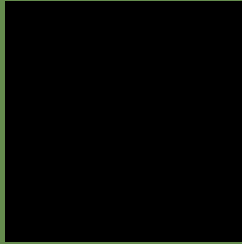
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 78, 140, 117 Background



This preview shows how black text looks on a background with the RYB color 78, 140, 117.



This preview shows how white text looks on a background with the RYB color 78, 140, 117.

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, 140, 117

Protanopia

89, 141, 74

Deuteranopia

139, 155, 82



Tritanopia
111, 124, 143

Trichromacy



Original Color
78, 140, 117

Protanomaly
75, 133, 82

Deuteranomaly
88, 135, 81

Tritanomaly
107, 128, 136

Monochromacy



Original Color
78, 140, 117

Achromatopsia
121, 121, 121

Achromatomaly
105, 128, 119

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 140, 117 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, 140, 78)` looks like.

```
.text, #text, p{  
    color:rgb(101, 140, 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(101, 140, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 140, 78) }
```

Border

The CSS property to change the border of an element to RYB 78, 140, 117 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, 140, 78) }
```

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

```
.border{ border-color:rgb(101, 140, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 140, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 140, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 140, 78);  
box-shadow:4px 4px 4px 4px rgb(101, 140,  
78) }
```

Background

The CSS property to change the background color of an element to RYB 78, 140, 117 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 140, 78) }
```

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

```
.background{ background-color: rgb(101,  
140, 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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