

Converting Colors

`RYB(82, 178, 70)`

Have a look what the booklet for
RYB(82, 178, 70) contains.

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Color

RYB(82, 178, 70)

Conversions

Conversions Part 1

Format	Color
Hex	B2A746
RGB	178, 167, 70
RGB Percent	70%, 65%, 27%
CMY	0.3020, 0.3443, 0.7255
CMYK	0.00, 0.06, 0.61, 0.30
HSL	54°, 44%, 49%
HSV	54°, 61%, 70%
XYZ	33.3210, 37.6179, 11.2991
YIQ	159.2310, 37.6930, -27.8350

Conversions

Conversions Part 2

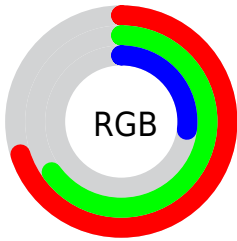
Format	Color
R _{YB}	82, 178, 70
Decimal	11708230
CIE Lab	67.74, -8.38, 50.39
CIE LCh	68, 51.084, 99.445
Yxy	37.6179, 0.4052, 0.4574
Android (android.graphics.Color)	4289898310 (0xFFB2A746)
YUV	159.2310, -43.9909, 16.4604
Hunter-Lab	61.3335, -10.3589, 32.0107

Details

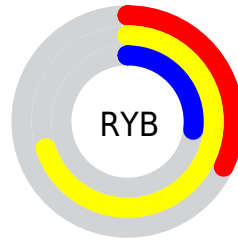
The RYB color **82, 178, 70** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **70, 80, 178**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **138, 236, 122**, and **21, 122, 14** is the 20% darker color. If you saturate the color by 10%, you get **66, 178, 52**, and if you desaturate by 10%, it is **98, 178, 88**.

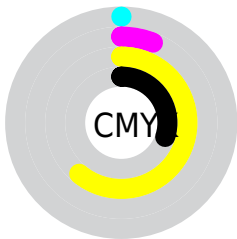
Distribution



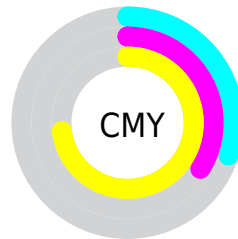
- Red (70%)
- Green (65%)
- Blue (27%)



- Red (32%)
- Yellow (70%)
- Blue (27%)



- Cyan (0%)
- Magenta (6%)
- Yellow (61%)
- Black (30%)



- Cyan (30%)
- Magenta (34%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the RYB color 82, 178, 70 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 82, 178, 70 by changing the saturation by 10% instead.

■ 82, 178, 70

■ 82, 178, 70

255, 255, 255

■ 54, 150, 44

■ 138, 236, 122

■ 20, 122, 14

■ 153, 255, 149

■ 5, 96, 0

■ 176, 255, 176

■ 2, 70, 0

■ 204, 255, 204

■ 0, 46, 2

■ 233, 255, 233

■ 0, 26, 7

■ 0, 0, 0

■ 82, 178, 70

■ 82, 178, 70

■ 66, 178, 52

■ 98, 178, 88

■ 50, 178, 34

■ 114, 178, 106

■ 35, 178, 17

■ 129, 178, 123

■ 20, 178, 0

■ 145, 178, 141

■ 161, 178, 159

■ 177, 178, 177

■ 178, 180, 195

■ 178, 181, 212

■ 178, 183, 230

Harmonies

Analogous

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



206, 218, 78



82, 178, 70



91, 179, 142

Triad

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



82, 178, 70



0, 101, 222



233, 131, 198

Complementary

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



82, 178, 70



70, 80, 178

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.



188, 147, 236



82, 178, 70



0, 104, 251

Square

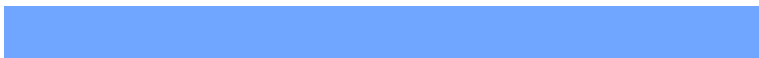
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82, 178, 70



0, 96, 188



112, 151, 255



251, 126, 152

Rectangle

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



82, 178, 70



86, 161, 184



112, 151, 255



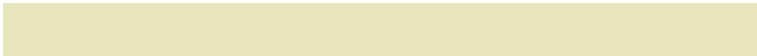
221, 136, 213

Sweetspot

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



82, 178, 70



194, 232, 190



178, 70, 81



93, 117, 91



245, 245, 245



117, 117, 117

Same Dimension

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



82, 178, 70



82, 232, 63



70, 178, 113



81, 89, 80



17, 153, 0



3, 26, 0

Inverse Universe

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



70, 80, 178



63, 78, 232



113, 70, 178



80, 81, 89



0, 14, 153



0, 3, 26

Previews

White Background



This preview shows how the RYB color 82, 178, 70 looks on a white background.

Color Contrast Check

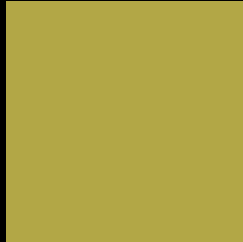
Large Text (above 18pt) WCAG AA × Fail

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 82, 178, 70 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](#).

RYP 82, 178, 70 Background



This preview shows how black text looks on a background with the RYP color 82, 178, 70.



This preview shows how white text looks on a background with the RYP color 82, 178, 70.

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

82, 178, 70

Protanopia

92, 184, 69

Deuteranopia

146, 204, 73



Tritanopia
187, 157, 169

Trichromacy



Original Color
82, 178, 70

Protanomaly
88, 182, 69

Deuteranomaly
119, 195, 72

Tritanomaly
175, 184, 133

Monochromacy



Original Color
82, 178, 70

Achromatopsia
159, 159, 159

Achromatomaly
131, 166, 127

CSS Examples

Text

The CSS property to change the color of the text to RYB 82, 178, 70 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(178, 167, 70)` looks like.

```
.text, #text, p{  
    color:rgb(178, 167, 70)  
}
```

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(178, 167, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 167, 70) }
```

Border

The CSS property to change the border of an element to RYB 82, 178, 70 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(178, 167, 70) }
```

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

```
.border{ border-color:rgb(178, 167, 70) }
```

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

Here you see how a box with a 4 pixel rgb(178, 167, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 167, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 167, 70);  
box-shadow:4px 4px 4px 4px rgb(178, 167,  
70) }
```

Background

The CSS property to change the background color of an element to RGB 178, 167, 70 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 167, 70) }
```

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

```
.background{ background-color: rgb(178,  
167, 70) }
```

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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