

Converting Colors

`RYB(77, 178, 133)`

Have a look what the booklet for
RYB(77, 178, 133) contains.

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Color

`RYB(77, 178, 133)`

Conversions

Conversions Part 1

Format	Color
Hex	7AB24D
RGB	122, 178, 77
RGB Percent	48%, 70%, 30%
CMY	0.5216, 0.3020, 0.6980
CMYK	0.31, 0.00, 0.57, 0.30
HSL	93°, 40%, 50%
HSV	93°, 57%, 70%
XYZ	25.2860, 36.5142, 12.7364
YIQ	149.7420, -0.9550, -43.2830

Conversions

Conversions Part 2

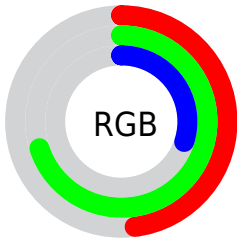
Format	Color
RYB	77, 178, 133
Decimal	8041037
CIELab	66.91, -35.80, 45.14
CIElCh	67, 57.610, 128.418
Yxy	36.5142, 0.3392, 0.4899
Android (android.graphics.Color)	4286231117 (0xFF7AB24D)
YUV	149.7420, -35.8618, -24.3297
Hunter-Lab	60.4270, -31.0529, 29.8021

Details

The RYB color **77, 178, 133** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **133, 77, 178**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **129, 234, 186**, and **25, 125, 81** is the 20% darker color. If you saturate the color by 10%, you get **59, 178, 125**, and if you desaturate by 10%, it is **95, 178, 141**.

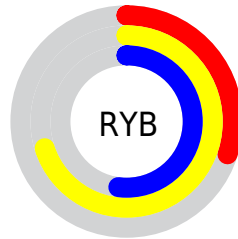
Distribution



Red (48%)

Green (70%)

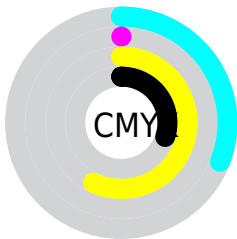
Blue (30%)



Red (30%)

Yellow (70%)

Blue (52%)

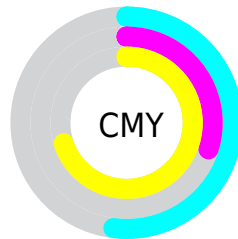


Cyan (31%)

Magenta (0%)

Yellow (57%)

Black (30%)



Cyan (52%)


Magenta (30%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 77, 178, 133 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 77, 178, 133 by changing the saturation by 10% instead.

 77, 178, 133

255, 255, 255


 129, 234, 186


 156, 255, 205

 183, 255, 203


 212, 255, 212

 240, 255, 240

 77, 178, 133


 52, 151, 108

 25, 125, 81


 0, 100, 59


 0, 75, 63


 0, 52, 52


 0, 32, 32

 0, 0, 0

 77, 178, 133

 59, 178, 125

 77, 178, 133

 95, 178, 141

■ 41, 178, 117

■ 113, 178, 149

■ 24, 178, 110

■ 130, 178, 156

■ 6, 178, 101

■ 148, 178, 165

■ 0, 178, 99

■ 166, 178, 173

■ 181, 178, 184

■ 191, 178, 202

■ 201, 178, 219

■ 211, 178, 237

Harmonies

Analogous

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



66, 178, 52



77, 178, 133



20, 122, 186

Triad

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



77, 178, 133



0, 105, 255



255, 116, 150

Complementary

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



77, 178, 133



133, 77, 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.



237, 123, 202



77, 178, 133



90, 141, 255

Square

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



77, 178, 133



0, 102, 226



185, 143, 244



251, 132, 101

Rectangle

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



77, 178, 133



0, 102, 188



185, 143, 244



254, 116, 168

Sweetspot

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



77, 178, 133



193, 232, 215



158, 178, 77



94, 117, 107



245, 245, 245



117, 117, 117

Same Dimension

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



77, 178, 133



74, 232, 161



77, 173, 178



80, 89, 85



0, 153, 85



0, 26, 15

Inverse Universe

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



133, 77, 178



162, 74, 232



178, 77, 173



85, 80, 89



85, 0, 153



14, 0, 26

Previews

White Background



This preview shows how the RYB color 77, 178, 133 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 77, 178, 133 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 77, 178, 133 Background



This preview shows how black text looks on a background with the R Y B color 77, 178, 133.

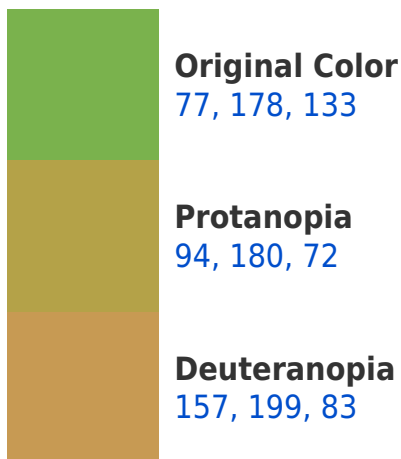


This preview shows how white text looks on a background with the R Y B color 77, 178, 133.

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
137, 155, 181

Trichromacy



Original Color

77, 178, 133

Protanomaly

74, 168, 83

Deuteranomaly

90, 171, 81

Tritanomaly

132, 162, 171

Monochromacy



Original Color

77, 178, 133

Achromatopsia

150, 150, 150

Achromatomaly

123, 160, 143

CSS Examples

Text

The CSS property to change the color of the text to RYB 77, 178, 133 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(122, 178, 77)` looks like.

```
.text, #text, p{  
    color:rgb(122, 178, 77)  
}
```

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(122, 178, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 178, 77) }
```

Border

The CSS property to change the border of an element to RYB 77, 178, 133 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(122, 178, 77) }
```

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

```
.border{ border-color:rgb(122, 178, 77) }
```

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

Here you see how a box with a 4 pixel rgb(122, 178, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 178, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 178, 77);  
box-shadow:4px 4px 4px 4px rgb(122, 178,  
77) }
```

Background

The CSS property to change the background color of an element to RYB 77, 178, 133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 178, 77) }
```

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

```
.background{ background-color: rgb(122,  
178, 77) }
```

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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