

Converting Colors

`RYB(100, 187, 78)`

Have a look what the booklet for
RYB(100, 187, 78) contains.

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Color

$\text{RYB}(100, 187, 78)$

Conversions

Conversions Part 1

Format	Color
Hex	BBA94E
RGB	187, 169, 78
RGB Percent	73%, 66%, 31%
CMY	0.2667, 0.3385, 0.6941
CMYK	0.00, 0.10, 0.58, 0.27
HSL	50°, 44%, 52%
HSV	50°, 58%, 73%
XYZ	35.9999, 39.3773, 12.9109
YIQ	164.0080, 39.9390, -24.4850

Conversions

Conversions Part 2

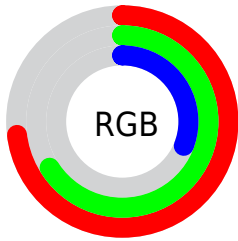
Format	Color
RYB	100, 187, 78
Decimal	12298574
CIELab	69.02, -4.72, 48.34
CIELCh	69, 48.566, 95.575
Yxy	39.3773, 0.4078, 0.4460
Android (android.graphics.Color)	4290488654 (0xFFBBA94E)
YUV	164.0080, -42.4019, 20.1640
Hunter-Lab	62.7513, -7.4110, 31.7272

Details

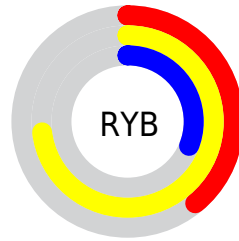
The RYB color **100, 187, 78** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **78, 93, 187**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **156, 245, 130**, and **42, 131, 26** is the 20% darker color. If you saturate the color by 10%, you get **84, 187, 59**, and if you desaturate by 10%, it is **115, 187, 97**.

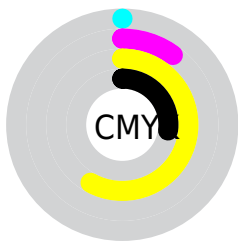
Distribution



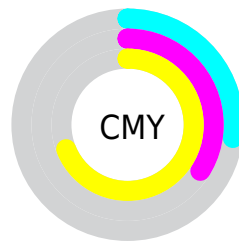
- Red (73%)
- Green (66%)
- Blue (31%)



- Red (39%)
- Yellow (73%)
- Blue (31%)



- Cyan (0%)
- Magenta (10%)
- Yellow (58%)
- Black (27%)




- Cyan (27%)
- Magenta (34%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the RYB color 100, 187, 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 100, 187, 78 by changing the saturation by 10% instead.


 100, 187, 78

 100, 187, 78


255, 255, 255

 73, 159, 53

 156, 245, 130

 42, 131, 26

 160, 255, 157

 14, 104, 0


 184, 255, 184

 10, 78, 0


 213, 255, 213

 6, 52, 0


 241, 255, 241

 1, 28, 0

 0, 0, 0

 100, 187, 78

 100, 187, 78

 84, 187, 59

 115, 187, 97

71, 187, 41

129, 187, 115

56, 187, 22

145, 187, 134

40, 187, 3

160, 187, 153

37, 187, 0

176, 187, 172

187, 188, 190

187, 190, 209

187, 193, 228

187, 196, 246

Harmonies

Analogous

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



224, 213, 88



100, 187, 78



94, 181, 134

Triad

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



100, 187, 78



0, 101, 218



230, 138, 206

Complementary

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



100, 187, 78



78, 93, 187

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.



183, 154, 240



100, 187, 78



0, 105, 248

Square

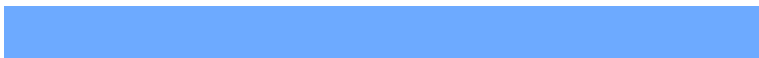
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



100, 187, 78



0, 99, 191



109, 152, 255



250, 132, 162

Rectangle

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



100, 187, 78



103, 174, 186



109, 152, 255



217, 143, 219

Sweetspot

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



100, 187, 78



209, 242, 201



187, 78, 98



103, 122, 98



250, 250, 250



122, 122, 122

Same Dimension

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



100, 187, 78



107, 242, 73



78, 187, 113



86, 94, 85



31, 158, 0



7, 31, 0

Inverse Universe

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



78, 93, 187



73, 97, 242



113, 78, 187



85, 86, 94



0, 23, 158



0, 4, 31

Previews

White Background



This preview shows how the RYB color 100, 187, 78 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 100, 187, 78 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 100, 187, 78 Background



This preview shows how black text looks on a background with the RYB color 100, 187, 78.



This preview shows how white text looks on a background with the RYB color 100, 187, 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
100, 187, 78

Protanopia
100, 187, 78

Deuteranopia
157, 208, 80



Tritanopia
195, 159, 171

Trichromacy



Original Color
100, 187, 78

Protanomaly
100, 187, 78

Deuteranomaly
132, 200, 79

Tritanomaly
192, 186, 137

Monochromacy



Original Color
100, 187, 78

Achromatopsia
164, 164, 164

Achromatomaly
140, 172, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 187, 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(187, 169, 78)` looks like.

```
.text, #text, p{  
    color:rgb(187, 169, 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(187, 169, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 169, 78) }
```

Border

The CSS property to change the border of an element to RYB 100, 187, 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(187, 169, 78) }
```

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

```
.border{ border-color:rgb(187, 169, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 169, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 169, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 169, 78);  
box-shadow:4px 4px 4px 4px rgb(187, 169,  
78) }
```

Background

The CSS property to change the background color of an element to RGB 187, 169, 78 is called "background".

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

```
.background, #background, body{  
background: rgb(187, 169, 78) }
```

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

```
.background{ background-color: rgb(187,  
169, 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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