

Converting Colors

`RYB(98, 169, 90)`

Have a look what the booklet for
RYB(98, 169, 90) contains.

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Color

RYB(98, 169, 90)

Conversions

Conversions Part 1

Format	Color
Hex	A9A25A
RGB	169, 162, 90
RGB Percent	66%, 64%, 35%
CMY	0.3373, 0.3657, 0.6471
CMYK	0.00, 0.04, 0.47, 0.34
HSL	54°, 31%, 51%
HSV	54°, 47%, 66%
XYZ	31.0815, 34.9208, 14.7751
YIQ	155.8850, 27.2840, -20.9080

Conversions

Conversions Part 2

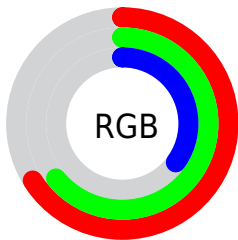
Format	Color
RYB	98, 169, 90
Decimal	11117146
CIELab	65.69, -7.62, 38.06
CIELCh	66, 38.821, 101.326
Yxy	34.9208, 0.3848, 0.4323
Android (android.graphics.Color)	4289307226 (0xFFA9A25A)
YUV	155.8850, -32.4813, 11.5019
Hunter-Lab	59.0938, -9.5290, 26.5416

Details

The RYB color **98, 169, 90** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **90, 96, 169**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **152, 226, 142**, and **45, 115, 41** is the 20% darker color. If you saturate the color by 10%, you get **83, 169, 73**, and if you desaturate by 10%, it is **114, 169, 107**.

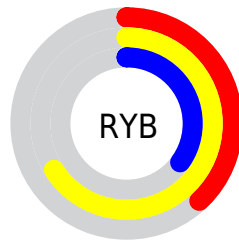
Distribution



Red (66%)

Green (64%)

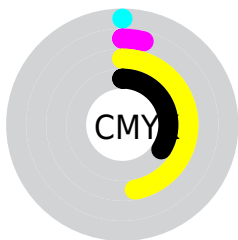
Blue (35%)



Red (38%)

Yellow (66%)

Blue (35%)

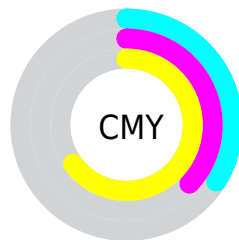


Cyan (0%)

Magenta (4%)

Yellow (47%)

Black (34%)



Cyan (34%)

Magenta (37%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the RYB color 98, 169, 90 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 98, 169, 90 by changing the saturation by 10% instead.

 98, 169, 90  98, 169, 90

255, 255, 255  72, 142, 65

 153, 226, 142  46, 115, 41

 179, 255, 168  19, 89, 16

 196, 255, 196  1, 64, 0

 224, 255, 224  0, 41, 1

253, 255, 253  0, 22, 10

 0, 0, 0

 98, 169, 90  98, 169, 90

 83, 169, 73  114, 169, 107

67, 169, 56

128, 169, 124

52, 169, 39

144, 169, 141

36, 169, 22

159, 169, 158

22, 169, 5

169, 170, 174

18, 169, 0

169, 171, 191

169, 173, 208

169, 174, 225

169, 175, 242

Harmonies

Analogous

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



189, 200, 94



98, 169, 90



106, 171, 146

Triad

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



98, 169, 90



0, 94, 204



213, 135, 183

Complementary

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



98, 169, 90



90, 96, 169

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, 146, 212



98, 169, 90



62, 127, 225

Square

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



98, 169, 90



14, 98, 178



130, 152, 228



227, 132, 148

Rectangle

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



98, 169, 90



102, 158, 175



130, 152, 228



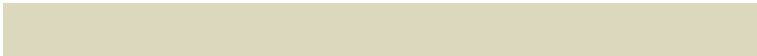
204, 138, 194

Sweetspot

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



98, 169, 90



192, 219, 189



169, 90, 98



93, 110, 91



237, 237, 237



110, 110, 110

Same Dimension

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



98, 169, 90



108, 219, 96



90, 169, 122



77, 84, 76



15, 148, 0



1, 20, 0

Inverse Universe

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



90, 96, 169



96, 107, 219



122, 90, 169



76, 77, 84



0, 13, 148



0, 2, 20

Previews

White Background



This preview shows how the RYB color 98, 169, 90 looks on a white background.

Color Contrast Check

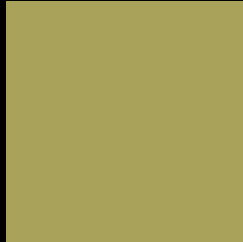
Large Text (above 18pt) WCAG AA × Fail

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 98, 169, 90 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 98, 169, 90 Background



This preview shows how black text looks on a background with the R Y B color 98, 169, 90.



This preview shows how white text looks on a background with the R Y B color 98, 169, 90.

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
98, 169, 90

Protanopia
107, 175, 89

Deuteranopia
163, 194, 92



Tritanopia
177, 153, 165

Trichromacy



Original Color
98, 169, 90

Protanomaly
103, 173, 89

Deuteranomaly
133, 185, 91

Tritanomaly
174, 174, 138

Monochromacy



Original Color
98, 169, 90

Achromatopsia
156, 156, 156

Achromatomaly
135, 161, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 98, 169, 90 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(169, 162, 90)` looks like.

```
.text, #text, p{  
    color:rgb(169, 162, 90)  
}
```

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(169, 162, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 162, 90) }
```

Border

The CSS property to change the border of an element to RYB 98, 169, 90 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(169, 162, 90) }
```

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

```
.border{ border-color:rgb(169, 162, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 162, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 162, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 162, 90);  
box-shadow:4px 4px 4px 4px rgb(169, 162,  
90) }
```

Background

The CSS property to change the background color of an element to RYB 98, 169, 90 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 162, 90) }
```

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

```
.background{ background-color: rgb(169,  
162, 90) }
```

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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