

Converting Colors

R_{YB}(165, 187, 75)

Have a look what the booklet for
RYB(165, 187, 75) contains.

RYB(165, 187, 75)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(165, 187, 75)$

Conversions

Conversions Part 1

Format	Color
Hex	BB894B
RGB	187, 137, 75
RGB Percent	73%, 54%, 29%
CMY	0.2667, 0.4624, 0.7059
CMYK	0.00, 0.27, 0.60, 0.27
HSL	33°, 45%, 51%
HSV	33°, 60%, 73%
XYZ	30.7233, 28.9923, 10.6334
YIQ	144.8820, 49.7020, -8.6820

Conversions

Conversions Part 2

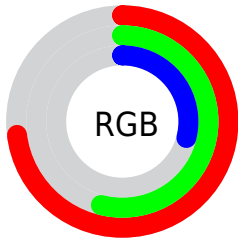
Format	Color
R_{YB}	165, 187, 75
Decimal	12290379
CIE _{Lab}	60.77, 12.22, 40.27
CIE _{LCh}	61, 42.082, 73.118
Yxy	28.9923, 0.4367, 0.4121
Android (android.graphics.Color)	4290480459 (0xFFBB894B)
YUV	144.8820, -34.4518, 36.9375
Hunter-Lab	53.8445, 7.6229, 25.9823

Details

The RYB color **165, 187, 75** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **75, 110, 187**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **231, 246, 126**, and **101, 130, 27** is the 20% darker color. If you saturate the color by 10%, you get **160, 187, 56**, and if you desaturate by 10%, it is **171, 187, 94**.

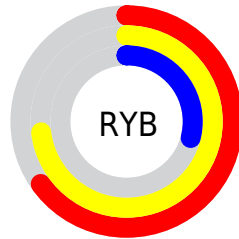
Distribution



Red (73%)

Green (54%)

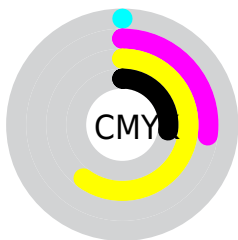
Blue (29%)



Red (65%)

Yellow (73%)

Blue (29%)

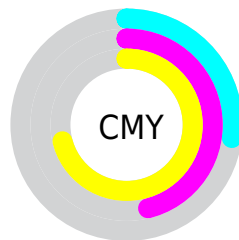


Cyan (0%)

Magenta (27%)

Yellow (60%)

Black (27%)



Cyan (27%)
















Magenta (46%)




Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 187, 75 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 165, 187, 75 by changing the saturation by 10% instead.

 165, 187, 75	 165, 187, 75
 255, 255, 255	 132, 158, 51
 231, 246, 126	 101, 130, 27
 210, 255, 152	 64, 103, 1
 188, 255, 179	 64, 77, 0
 207, 255, 207	 50, 36, 0
 235, 255, 235	 27, 0, 0
	 0, 0, 0

 165, 187, 75	 165, 187, 75
 160, 187, 56	 171, 187, 94

■ 160, 187, 38

■ 171, 187, 112

■ 154, 187, 19

■ 176, 187, 131

■ 149, 187, 0

■ 181, 187, 150

■ 183, 187, 169

■ 187, 187, 187

■ 187, 193, 206

■ 187, 199, 225

■ 187, 204, 243

Harmonies

Analogous

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



210, 132, 98



165, 187, 75



75, 153, 72

Triad

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



165, 187, 75



0, 84, 166



171, 131, 201

Complementary

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



165, 187, 75



75, 110, 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.



116, 139, 219



165, 187, 75



0, 89, 196

Square

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



165, 187, 75



58, 123, 164



9, 95, 217



205, 119, 169

Rectangle

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



165, 187, 75



82, 156, 111



9, 95, 217



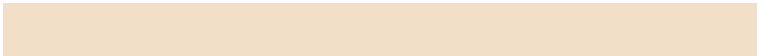
155, 135, 209

Sweetspot

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



165, 187, 75



233, 242, 199



187, 75, 125



117, 122, 95



250, 250, 250



122, 122, 122

Same Dimension

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



165, 187, 75



206, 242, 68



75, 187, 81



92, 94, 85



126, 158, 0



26, 31, 0

Inverse Universe

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



75, 110, 187



68, 122, 242



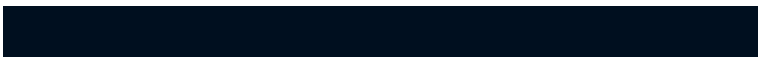
81, 75, 187



85, 88, 94



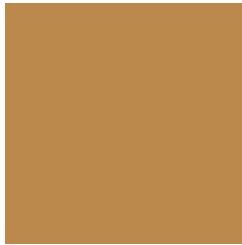
0, 49, 158



0, 10, 31

Previews

White Background



This preview shows how the RYB color 165, 187, 75 looks on a white background.

Color Contrast Check

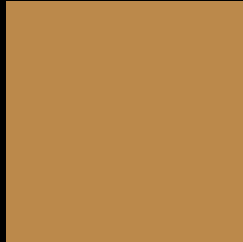
Large Text (above 18pt) WCAG AA ✓ Pass

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 165, 187, 75 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](#).

R Y B 165, 187, 75 Background



This preview shows how black text looks on a background with the RYB color 165, 187, 75.



This preview shows how white text looks on a background with the RYB color 165, 187, 75.

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


165, 187, 75

Protanopia

96, 162, 78

Deuteranopia

140, 181, 74



Tritanopia

192, 130, 140

Trichromacy



Original Color

165, 187, 75

Protanomaly

117, 171, 77

Deuteranomaly

148, 183, 74

Tritanomaly

190, 138, 116

Monochromacy



Original Color

165, 187, 75

Achromatopsia

145, 145, 145

Achromatomaly

153, 160, 120

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 187, 75 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, 137, 75)` looks like.

```
.text, #text, p{  
    color:rgb(187, 137, 75)  
}
```

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, 137, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 137, 75) }
```

Border

The CSS property to change the border of an element to RYB 165, 187, 75 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, 137, 75) }
```

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

```
.border{ border-color:rgb(187, 137, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 137, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 137, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 137, 75);  
box-shadow:4px 4px 4px 4px rgb(187, 137,  
75) }
```

Background

The CSS property to change the background color of an element to RYB 165, 187, 75 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 137, 75) }
```

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

```
.background{ background-color: rgb(187,  
137, 75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor