

Converting Colors

`RYB(105, 163, 113)`

Have a look what the booklet for
RYB(105, 163, 113) contains.

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Color

R_YB(105, 163, 113)

Conversions

Conversions Part 1

Format	Color
Hex	9BA369
RGB	155, 163, 105
RGB Percent	61%, 64%, 41%
CMY	0.3922, 0.3608, 0.5882
CMYK	0.05, 0.00, 0.36, 0.36
HSL	68°, 24%, 53%
HSV	68°, 36%, 64%
XYZ	29.1646, 34.1829, 18.4254
YIQ	153.9960, 13.8500, -19.7340

Conversions

Conversions Part 2

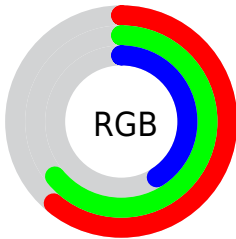
Format	Color
RYB	105, 163, 113
Decimal	10199913
CIELab	65.11, -12.36, 29.22
CIELCh	65, 31.723, 112.928
Yxy	34.1829, 0.3567, 0.4180
Android (android.graphics.Color)	4288389993 (0xFF9BA369)
YUV	153.9960, -24.1550, 0.8805
Hunter-Lab	58.4661, -13.2748, 22.2412

Details

The RYB color **105, 163, 113** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **113, 105, 163**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **157, 218, 165**, and **57, 111, 65** is the 20% darker color. If you saturate the color by 10%, you get **89, 163, 99**, and if you desaturate by 10%, it is **121, 163, 127**.

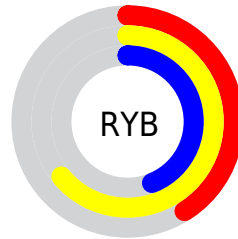
Distribution



Red (61%)

Green (64%)

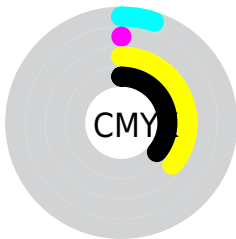
Blue (41%)



Red (41%)

Yellow (64%)

Blue (44%)

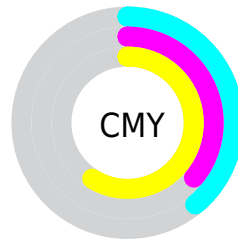


Cyan (5%)

Magenta (0%)

Yellow (36%)

Black (36%)



Cyan (39%)

Magenta (36%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 163, 113 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 105, 163, 113 by changing the saturation by 10% instead.

■ 105, 163, 113

255, 255, 255

■ 157, 218, 165

■ 184, 246, 191

■ 212, 255, 212

■ 240, 255, 240

■ 105, 163, 113

■ 80, 137, 88

■ 57, 111, 65

■ 34, 87, 43

■ 11, 64, 21

■ 0, 42, 10

■ 0, 23, 23

■ 0, 0, 0

■ 105, 163, 113

■ 89, 163, 99

■ 105, 163, 113

■ 121, 163, 127

■ 72, 163, 84

■ 138, 163, 142

■ 56, 163, 71

■ 154, 163, 155

■ 40, 163, 57

■ 164, 163, 170

■ 23, 163, 42

■ 166, 163, 187

■ 7, 163, 28

■ 168, 163, 203

■ 0, 163, 22

■ 171, 163, 219

■ 173, 163, 235

■ 175, 163, 252

Harmonies

Analogous

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



149, 184, 102



105, 163, 113



122, 169, 170

Triad

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



105, 163, 113



68, 126, 202



209, 137, 166

Complementary

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



105, 163, 113



113, 105, 163

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, 143, 193



105, 163, 113



108, 144, 214

Square

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



105, 163, 113



60, 118, 179



152, 153, 210



214, 138, 137

Rectangle

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



105, 163, 113



99, 146, 172



152, 153, 210



204, 138, 175

Sweetspot

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



105, 163, 113



188, 212, 192



163, 114, 105



93, 107, 95



235, 235, 235



107, 107, 107

Same Dimension

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



105, 163, 113



121, 212, 134



105, 163, 142



73, 82, 75



0, 145, 20



0, 18, 3

Inverse Universe

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



113, 105, 163



133, 121, 212



142, 105, 163



75, 73, 82



20, 0, 145



2, 0, 18

Previews

White Background



This preview shows how the RYB color 105, 163, 113 looks on a white background.

Color Contrast Check

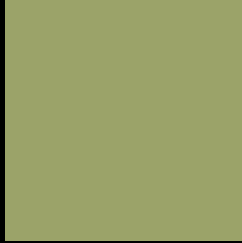
Large Text (above 18pt) WCAG AA × Fail

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 105, 163, 113 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

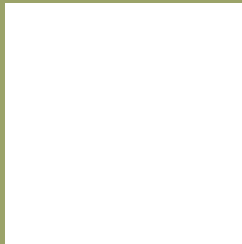
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 105, 163, 113 Background



This preview shows how black text looks on a background with the RYB color 105, 163, 113.



This preview shows how white text looks on a background with the RYB color 105, 163, 113.

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
105, 163, 113

Protanopia
121, 172, 103

Deuteranopia
180, 189, 108



Tritanopia
163, 155, 168

Trichromacy



Original Color
105, 163, 113

Protanomaly
111, 166, 104

Deuteranomaly
139, 177, 107

Tritanomaly
147, 160, 145

Monochromacy



Original Color
105, 163, 113

Achromatopsia
154, 154, 154

Achromatomaly
136, 157, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 105, 163, 113 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(155, 163, 105)` looks like.

```
.text, #text, p{  
    color:rgb(155, 163, 105)  
}
```

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(155, 163, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 163, 105) }
```

Border

The CSS property to change the border of an element to RYB 105, 163, 113 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(155, 163, 105) }
```

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

```
.border{ border-color:rgb(155, 163, 105) }
```

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

Here you see how a box with a 4 pixel rgb(155, 163, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 163, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 163, 105);  
box-shadow:4px 4px 4px 4px rgb(155, 163,  
105) }
```

Background

The CSS property to change the background color of an element to RYB 105, 163, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 163, 105) }
```

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

```
.background{ background-color: rgb(155,  
163, 105) }
```

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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