

Converting Colors

`RYB(106, 164, 120)`

Have a look what the booklet for
RYB(106, 164, 120) contains.

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Color

R_YB(106, 164, 120)

Conversions

Conversions Part 1

Format	Color
Hex	96A46A
RGB	150, 164, 106
RGB Percent	59%, 64%, 42%
CMY	0.4118, 0.3569, 0.5843
CMYK	0.09, 0.00, 0.35, 0.36
HSL	74°, 24%, 53%
HSV	74°, 35%, 64%
XYZ	28.4547, 34.0756, 18.7132
YIQ	153.2020, 10.2740, -21.0060

Conversions

Conversions Part 2

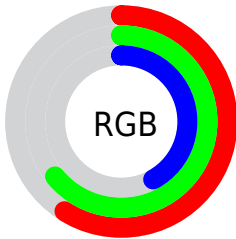
Format	Color
RYB	106, 164, 120
Decimal	9872490
CIELab	65.02, -14.75, 28.50
CIELCh	65, 32.089, 117.368
Yxy	34.0756, 0.3502, 0.4194
Android (android.graphics.Color)	4288062570 (0xFF96A46A)
YUV	153.2020, -23.2706, -2.8082
Hunter-Lab	58.3743, -15.1448, 21.8552

Details

The RYB color **106, 164, 120** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **120, 106, 164**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **158, 219, 172**, and **58, 112, 72** is the 20% darker color. If you saturate the color by 10%, you get **90, 164, 108**, and if you desaturate by 10%, it is **122, 164, 132**.

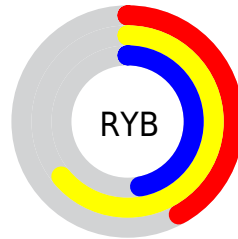
Distribution



Red (59%)

Green (64%)

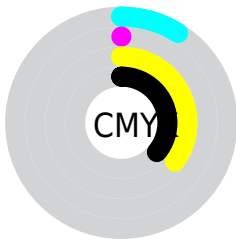
Blue (42%)



Red (42%)

Yellow (64%)

Blue (47%)

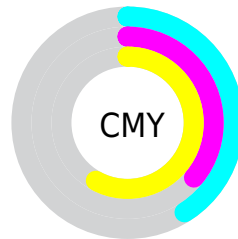


Cyan (9%)

Magenta (0%)

Yellow (35%)

Black (36%)



Cyan (41%)

Magenta (36%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 164, 120 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 106, 164, 120 by changing the saturation by 10% instead.

 106, 164, 120


255, 255, 255


 158, 219, 172

 185, 247, 199

 213, 255, 213

 241, 255, 241

 106, 164, 120

 81, 138, 95

 58, 112, 72

 35, 88, 49


 12, 64, 26


 0, 42, 13


 0, 23, 23

 0, 0, 0

 106, 164, 120

 90, 164, 108

 106, 164, 120

 122, 164, 132

■ 73, 164, 95

■ 139, 164, 145

■ 57, 164, 83

■ 155, 164, 157

■ 40, 164, 70

■ 166, 164, 172

■ 24, 164, 58

■ 170, 164, 188

■ 8, 164, 46

■ 174, 164, 204

■ 0, 164, 40

■ 178, 164, 221

■ 182, 164, 237

■ 186, 164, 254

Harmonies

Analogous

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



136, 180, 100



106, 164, 120



116, 162, 170

Triad

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



106, 164, 120



71, 128, 205



211, 136, 161

Complementary

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



106, 164, 120



120, 106, 164

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.



192, 142, 189



106, 164, 120



114, 146, 215

Square

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



106, 164, 120



56, 117, 183



158, 151, 209



214, 138, 133

Rectangle

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



106, 164, 120



93, 142, 173



158, 151, 209



206, 137, 171

Sweetspot

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



106, 164, 120



191, 214, 196



164, 124, 106



93, 107, 96



235, 235, 235



107, 107, 107

Same Dimension

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



106, 164, 120



124, 214, 146



106, 164, 149



73, 82, 75



0, 145, 35



0, 18, 4

Inverse Universe

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



120, 106, 164



146, 124, 214



149, 106, 164



75, 73, 82



35, 0, 145



4, 0, 18

Previews

White Background



This preview shows how the RYB color 106, 164, 120 looks on a white background.

Color Contrast Check

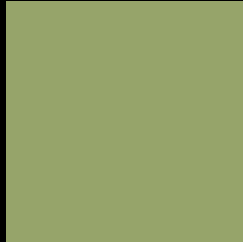
Large Text (above 18pt) WCAG AA × Fail

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 106, 164, 120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

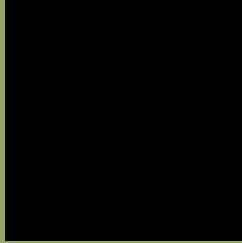
Any Text WCAG AA ✓ Pass

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 106, 164, 120 Background



This preview shows how black text looks on a background with the RYB color 106, 164, 120.

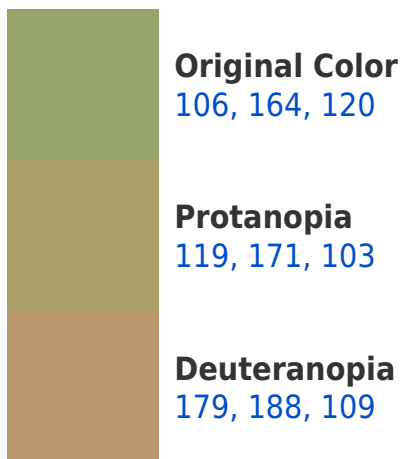


This preview shows how white text looks on a background with the RYB color 106, 164, 120.

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
158, 156, 169

Trichromacy



Original Color
106, 164, 120

Protanomaly
107, 163, 104

Deuteranomaly
133, 174, 108

Tritanomaly
146, 159, 150

Monochromacy



Original Color
106, 164, 120

Achromatopsia
153, 153, 153

Achromatomaly
136, 157, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 164, 120 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(150, 164, 106)` looks like.

```
.text, #text, p{  
    color:rgb(150, 164, 106)  
}
```

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(150, 164, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 164, 106) }
```

Border

The CSS property to change the border of an element to RYB 106, 164, 120 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(150, 164, 106) }
```

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

```
.border{ border-color:rgb(150, 164, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 164, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 164, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 164, 106);  
box-shadow:4px 4px 4px 4px rgb(150, 164,  
106) }
```

Background

The CSS property to change the background color of an element to RYB 106, 164, 120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 164, 106) }
```

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

```
.background{ background-color: rgb(150,  
164, 106) }
```

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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