

Converting Colors

`RYB(97, 106, 106)`

Have a look what the booklet for
RYB(97, 106, 106) contains.

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Color

R_YB(97, 106, 106)

Conversions

Conversions Part 1

Format	Color
Hex	616A61
RGB	97, 106, 97
RGB Percent	38%, 42%, 38%
CMY	0.6196, 0.5843, 0.6196
CMYK	0.08, 0.00, 0.08, 0.58
HSL	120°, 4%, 40%
HSV	120°, 8%, 42%
XYZ	12.2415, 13.7125, 13.3108
YIQ	102.2830, -2.4750, -4.7070

Conversions

Conversions Part 2

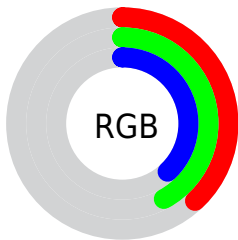
Format	Color
R_{YB}	97, 106, 106
Decimal	6384225
CIE _{Lab}	43.82, -5.33, 3.87
CIE _{LCh}	44, 6.590, 144.002
Yxy	13.7125, 0.3118, 0.3492
Android (android.graphics.Color)	4284574305 (0xFF616A61)
YUV	102.2830, -2.6045, -4.6332
Hunter-Lab	37.0304, -5.7950, 4.6091

Details

The RYB color **97, 106, 106** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **106, 97, 106**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **148, 157, 157**, and **51, 59, 59** is the 20% darker color. If you saturate the color by 10%, you get **86, 106, 106**, and if you desaturate by 10%, it is **108, 106, 108**.

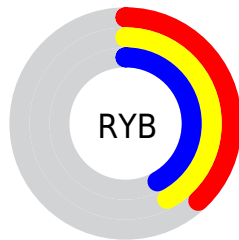
Distribution



Red (38%)

Green (42%)

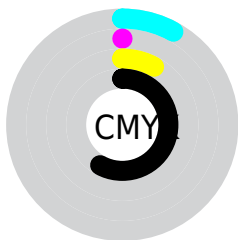
Blue (38%)



Red (38%)

Yellow (42%)

Blue (42%)

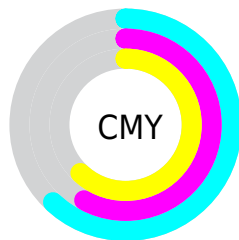


Cyan (8%)

Magenta (0%)

Yellow (8%)

Black (58%)



Cyan (62%)

Magenta (58%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 97, 106, 106 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 97, 106, 106 by changing the saturation by 10% instead.



97, 106, 106



97, 106, 106

255, 255, 255



73, 82, 82



148, 157, 157



51, 59, 59



174, 184, 184



30, 37, 37



202, 212, 212



4, 16, 16



230, 240, 240



0, 0, 0



97, 106, 106



97, 106, 106



86, 106, 106



108, 106, 108



76, 106, 106



118, 106, 118



65, 106, 106



129, 106, 129

■ 55, 106, 106

■ 139, 106, 139

■ 44, 106, 106

■ 150, 106, 150

■ 33, 106, 106

■ 161, 106, 161

■ 23, 106, 106

■ 171, 106, 171

■ 12, 106, 106

■ 182, 106, 182

■ 2, 106, 106

■ 192, 106, 192

Harmonies

Analogous

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



94, 105, 96



97, 106, 106



92, 101, 107

Triad

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



97, 106, 106



97, 102, 114



116, 100, 99

Complementary

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



97, 106, 106



106, 97, 106

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.



114, 100, 105



97, 106, 106



103, 103, 113

Square

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



97, 106, 106



92, 100, 112



110, 101, 110



114, 104, 95

Rectangle

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



97, 106, 106



90, 99, 107



110, 101, 110



115, 100, 101

Sweetspot

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



97, 106, 106



134, 138, 138



97, 106, 97



66, 69, 69



196, 196, 196



69, 69, 69

Same Dimension

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



97, 106, 106



124, 138, 138



97, 103, 106



48, 54, 54



0, 117, 117



0, 245, 245

Inverse Universe

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



106, 97, 106



138, 124, 138



106, 97, 102



54, 48, 54



117, 0, 117



245, 0, 245

Previews

White Background



This preview shows how the RYB color 97, 106, 106 looks on a white 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

Black Background



This preview shows how the RYB color 97, 106, 106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

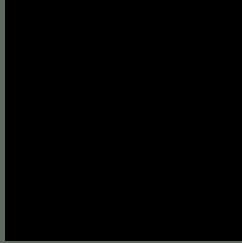
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 97, 106, 106 Background



This preview shows how black text looks on a background with the RYB color 97, 106, 106.



This preview shows how white text looks on a background with the RYB color 97, 106, 106.

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

97, 106, 106

Protanopia

101, 107, 95

Deuteranopia

115, 100, 98



Tritanopia
99, 103, 112

Trichromacy



Original Color

97, 106, 106

Protanomaly

96, 104, 97

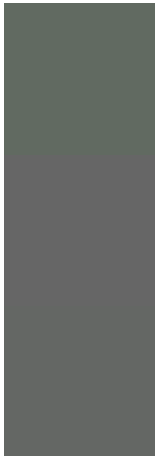
Deuteranomaly

108, 105, 98

Tritanomaly

98, 102, 107

Monochromacy



Original Color

97, 106, 106

Achromatopsia

102, 102, 102

Achromatomaly

100, 103, 103

CSS Examples

Text

The CSS property to change the color of the text to RYB 97, 106, 106 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(97, 106, 97) looks like.

```
.text, #text, p{  
    color:rgb(97, 106, 97)  
}
```

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(97, 106, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 106, 97) }
```

Border

The CSS property to change the border of an element to RYB 97, 106, 106 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(97, 106, 97) }
```

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

```
.border{ border-color:rgb(97, 106, 97) }
```

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

Here you see how a box with a 4 pixel rgb(97, 106, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 106, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 106, 97);  
box-shadow:4px 4px 4px 4px rgb(97, 106,  
97) }
```

Background

The CSS property to change the background color of an element to RGB 97, 106, 106 is called "background".

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

```
.background, #background, body{  
background: rgb(97, 106, 97) }
```

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

```
.background{ background-color: rgb(97, 106,  
97) }
```

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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