

Converting Colors

R_YB(87, 97, 101)

Have a look what the booklet for
RYB(87, 97, 101) contains.

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Color

R_{YB}(87, 97, 101)

Conversions

Conversions Part 1

Format	Color
Hex	57655D
RGB	87, 101, 93
RGB Percent	34%, 40%, 36%
CMY	0.6588, 0.6039, 0.6369
CMYK	0.14, 0.00, 0.08, 0.60
HSL	144°, 7%, 37%
HSV	144°, 14%, 40%
XYZ	10.5423, 12.1168, 12.0464
YIQ	95.9020, -5.7760, -5.4560

Conversions

Conversions Part 2

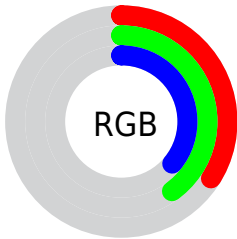
Format	Color
RYB	87, 97, 101
Decimal	5727581
CIELab	41.40, -7.18, 2.95
CIELCh	41, 7.769, 157.644
Yxy	12.1168, 0.3038, 0.3491
Android (android.graphics.Color)	4283917661 (0xFF57655D)
YUV	95.9020, -1.4307, -7.8071
Hunter-Lab	34.8093, -6.8560, 3.8480

Details

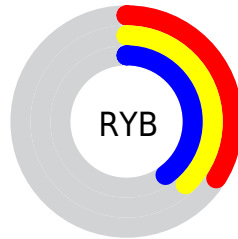
The RYB color **87, 97, 101** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **101, 87, 95**, and the grayscale version is **96, 96, 96**.

A 20% lighter version of the original color is **137, 148, 152**, and **42, 50, 54** is the 20% darker color. If you saturate the color by 10%, you get **77, 94, 101**, and if you desaturate by 10%, it is **97, 100, 101**.

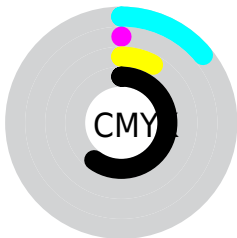
Distribution



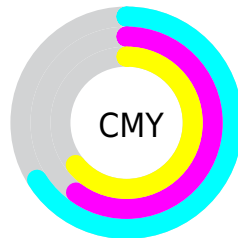
- Red (34%)
- Green (40%)
- Blue (36%)



- Red (34%)
- Yellow (38%)
- Blue (40%)



- Cyan (14%)
- Magenta (0%)
- Yellow (8%)
- Black (60%)



- Cyan (66%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 97, 101 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 87, 97, 101 by changing the saturation by 10% instead.



87, 97, 101



87, 97, 101

255, 255, 255



64, 73, 77



137, 148, 152



42, 50, 54



163, 175, 179



21, 29, 33



190, 202, 206



0, 10, 10



218, 230, 234



0, 0, 0



247, 252, 255



87, 97, 101



87, 97, 101



77, 94, 101



97, 100, 101



67, 92, 101



107, 101, 105

■ 57, 89, 101

■ 117, 101, 111

■ 47, 86, 101

■ 127, 101, 117

■ 37, 83, 101

■ 138, 101, 123

■ 26, 80, 101

■ 148, 101, 129

■ 16, 77, 101

■ 158, 101, 135

■ 6, 74, 101

■ 168, 101, 141

■ 0, 72, 101

■ 178, 101, 147

Harmonies

Analogous

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



87, 100, 93



87, 97, 101



82, 92, 101

Triad

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



87, 97, 101



93, 97, 110



111, 95, 90

Complementary

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



87, 97, 101



101, 87, 95

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.



111, 93, 96



87, 97, 101



101, 96, 108

Square

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



87, 97, 101



86, 95, 109



108, 94, 103



107, 105, 86

Rectangle

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



87, 97, 101



82, 92, 103



108, 94, 103



111, 94, 92

Sweetspot

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



87, 97, 101



125, 129, 130



87, 101, 93



63, 65, 66



194, 194, 194



66, 66, 66

Same Dimension

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



87, 97, 101



108, 124, 130



87, 95, 101



46, 50, 51



0, 82, 115



0, 173, 242

Inverse Universe

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



101, 87, 95



130, 108, 121



101, 87, 88



51, 46, 49



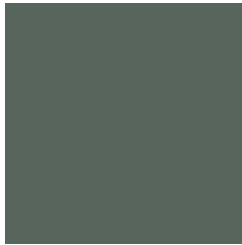
115, 0, 69



242, 0, 145

Previews

White Background



This preview shows how the RYB color 87, 97, 101 looks on a white background.

Color Contrast Check

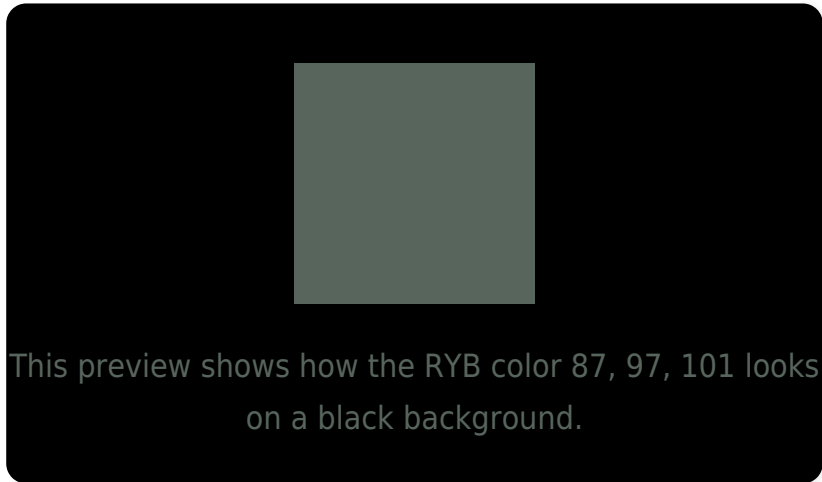
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

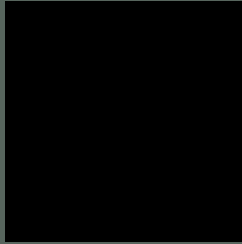
Any Text WCAG AA × Fail

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](#).

R Y B 87, 97, 101 Background



This preview shows how black text looks on a background with the RYB color 87, 97, 101.



This preview shows how white text looks on a background with the RYB color 87, 97, 101.

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

87, 97, 101

Protanopia

96, 101, 90

Deuteranopia

108, 94, 94



Tritanopia
89, 95, 107

Trichromacy



Original Color
87, 97, 101

Protanomaly
91, 98, 93

Deuteranomaly
98, 100, 93

Tritanomaly
88, 94, 102

Monochromacy



Original Color
87, 97, 101

Achromatopsia
96, 96, 96

Achromatomaly
93, 97, 98

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 97, 101 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(87, 101, 93) looks like.

```
.text, #text, p{  
    color:rgb(87, 101, 93)  
}
```

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(87, 101, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 101, 93) }
```

Border

The CSS property to change the border of an element to RYB 87, 97, 101 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(87, 101, 93) }
```

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

```
.border{ border-color:rgb(87, 101, 93) }
```

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

Here you see how a box with a 4 pixel rgb(87, 101, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 101, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 101, 93);  
box-shadow:4px 4px 4px 4px rgb(87, 101,  
93) }
```

Background

The CSS property to change the background color of an element to RYB 87, 97, 101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 101, 93) }
```

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

```
.background{ background-color: rgb(87, 101,  
93) }
```

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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