

Converting Colors

`RYB(37, 87, 105)`

Have a look what the booklet for
RYB(37, 87, 105) contains.

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Color

R_YB(37, 87, 105)

Conversions

Conversions Part 1

Format	Color
Hex	25693D
RGB	37, 105, 61
RGB Percent	15%, 41%, 24%
CMY	0.8549, 0.5882, 0.7589
CMYK	0.65, 0.00, 0.41, 0.59
HSL	142°, 48%, 28%
HSV	142°, 65%, 41%
XYZ	6.6698, 10.8386, 6.2235
YIQ	79.6520, -26.4040, -28.1000

Conversions

Conversions Part 2

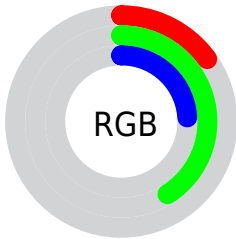
Format	Color
RYB	37, 87, 105
Decimal	2451773
CIELab	39.31, -32.16, 18.32
CIElCh	39, 37.009, 150.336
Yxy	10.8386, 0.2810, 0.4567
Android (android.graphics.Color)	4280641853 (0xFF25693D)
YUV	79.6520, -9.1954, -37.4058
Hunter-Lab	32.9220, -21.4504, 11.8374

Details

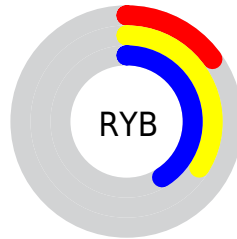
The RYB color **37, 87, 105** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **105, 37, 81**, and the grayscale version is **80, 80, 80**.

A 20% lighter version of the original color is **90, 142, 157**, and **0, 43, 57** is the 20% darker color. If you saturate the color by 10%, you get **26, 84, 105**, and if you desaturate by 10%, it is **48, 90, 105**.

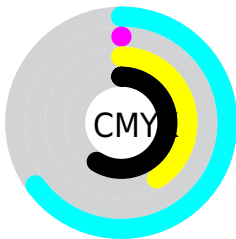
Distribution



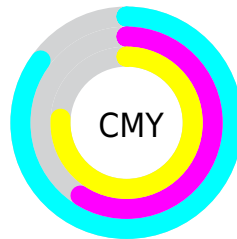
- Red (15%)
- Green (41%)
- Blue (24%)



- Red (15%)
- Yellow (34%)
- Blue (41%)



- Cyan (65%)
- Magenta (0%)
- Yellow (41%)
- Black (59%)



- Cyan (85%)
- Magenta (59%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the RYB color 37, 87, 105 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 37, 87, 105 by changing the saturation by 10% instead.



37, 87, 105



37, 87, 105

255, 255, 255



3, 55, 80



90, 142, 157



0, 43, 57



116, 169, 184



0, 36, 36



143, 198, 212



0, 0, 0



170, 226, 240



198, 241, 255



227, 244, 255



37, 87, 105



37, 87, 105



26, 84, 105



48, 90, 105

■ 16, 81, 105

■ 58, 93, 105

■ 6, 79, 105

■ 69, 95, 105

■ 0, 77, 105

■ 79, 98, 105

■ 90, 101, 105

■ 100, 104, 105

■ 111, 105, 109

■ 121, 105, 115

■ 132, 105, 122

Harmonies

Analogous

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



38, 100, 59



37, 87, 105



0, 58, 107

Triad

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



37, 87, 105



27, 72, 153



147, 69, 64

Complementary

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



37, 87, 105



105, 37, 81

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.



147, 66, 93



37, 87, 105



94, 85, 145

Square

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



37, 87, 105



0, 60, 144



130, 72, 123



133, 110, 40

Rectangle

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



37, 87, 105



0, 55, 113



130, 72, 123



148, 67, 73

Sweetspot

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



37, 87, 105



112, 131, 138



37, 105, 61



53, 65, 69



196, 196, 196



69, 69, 69

Same Dimension

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



37, 87, 105



30, 109, 138



37, 74, 105



48, 53, 54



0, 86, 117



0, 180, 245

Inverse Universe

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



105, 37, 81



138, 30, 99



105, 37, 47



54, 48, 52



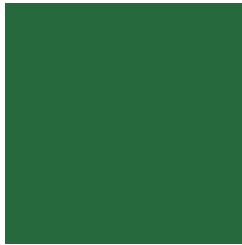
117, 0, 75



245, 0, 157

Previews

White Background



This preview shows how the RYB color 37, 87, 105 looks on a white background.

Color Contrast Check

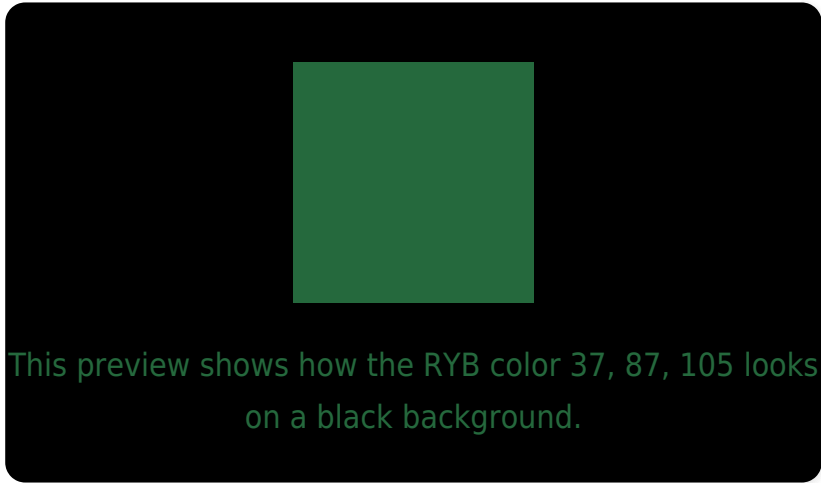
Large Text (above 18pt) WCAG AA ✓ Pass

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

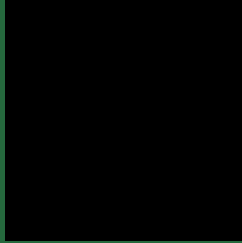
Any Text WCAG AA × Fail

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](#).

RYP 37, 87, 105 Background



This preview shows how black text looks on a background with the RYP color 37, 87, 105.



This preview shows how white text looks on a background with the RYP color 37, 87, 105.

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
[37, 87, 105](#)

Protanopia
[67, 101, 56](#)

Deuteranopia
[108, 110, 65](#)



Tritanopia
52, 78, 108

Trichromacy



Original Color
37, 87, 105

Protanomaly
58, 97, 77

Deuteranomaly
64, 94, 75

Tritanomaly
47, 78, 102

Monochromacy



Original Color
37, 87, 105

Achromatopsia
80, 80, 80

Achromatomaly
64, 82, 89

CSS Examples

Text

The CSS property to change the color of the text to RYB 37, 87, 105 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(37, 105, 61)` looks like.

```
.text, #text, p{  
    color:rgb(37, 105, 61)  
}
```

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(37, 105, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 105, 61) }
```

Border

The CSS property to change the border of an element to RYB 37, 87, 105 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(37, 105, 61) }
```

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

```
.border{ border-color:rgb(37, 105, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 105, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 105, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 105, 61);  
box-shadow:4px 4px 4px 4px rgb(37, 105,  
61) }
```

Background

The CSS property to change the background color of an element to RGB 37, 87, 105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 105, 61) }
```

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

```
.background{ background-color: rgb(37, 105,  
61) }
```

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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