

Converting Colors

`RYB(9, 109, 147)`

Have a look what the booklet for
RYB(9, 109, 147) contains.

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Color

$\text{RYB}(9, 109, 147)$

Conversions

Conversions Part 1

Format	Color
Hex	09933D
RGB	9, 147, 61
RGB Percent	4%, 58%, 24%
CMY	0.9647, 0.4235, 0.7591
CMYK	0.94, 0.00, 0.58, 0.42
HSL	143°, 88%, 31%
HSV	143°, 94%, 58%
XYZ	11.4006, 21.2672, 7.9814
YIQ	95.9340, -54.6420, -56.0020

Conversions

Conversions Part 2

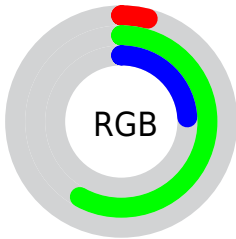
Format	Color
RYB	9, 109, 147
Decimal	627517
CIELab	53.24, -51.87, 35.68
CIELCh	53, 62.953, 145.476
Yxy	21.2672, 0.2805, 0.5232
Android (android.graphics.Color)	4278817597 (0xFF09933D)
YUV	95.9340, -17.2225, -76.2411
Hunter-Lab	46.1164, -36.5761, 22.0201

Details

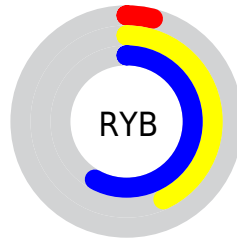
The RYB color **9, 109, 147** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **147, 9, 95**, and the grayscale version is **96, 96, 96**.

A 20% lighter version of the original color is **87, 182, 202**, and **0, 86, 95** is the 20% darker color. If you saturate the color by 10%, you get **0, 106, 147**, and if you desaturate by 10%, it is **24, 113, 147**.

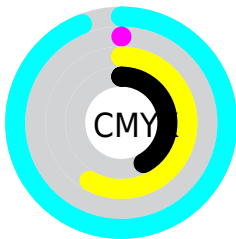
Distribution



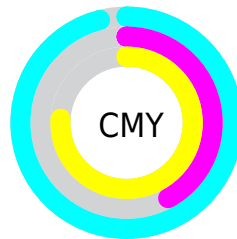
- Red (4%)
- Green (58%)
- Blue (24%)



- Red (4%)
- Yellow (43%)
- Blue (58%)



- Cyan (94%)
- Magenta (0%)
- Yellow (58%)
- Black (42%)



- Cyan (96%)
- Magenta (42%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the RYB color 9, 109, 147 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 9, 109, 147 by changing the saturation by 10% instead.



9, 109, 147



9, 109, 147

255, 255, 255



0, 92, 120



87, 182, 202



0, 85, 95



117, 214, 231



0, 70, 70



146, 240, 255



0, 47, 47



175, 241, 255



0, 19, 19



204, 243, 255



0, 0, 0



234, 246, 255



9, 109, 147



9, 109, 147



0, 106, 147



24, 113, 147

■ 38, 117, 147

■ 53, 121, 147

■ 68, 125, 147

■ 83, 130, 147

■ 97, 133, 147

■ 112, 138, 147

■ 127, 142, 147

■ 141, 146, 147

Harmonies

Analogous

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



1, 138, 31



9, 109, 147



0, 85, 151

Triad

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



9, 109, 147



0, 86, 236



221, 76, 84

Complementary

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



9, 109, 147



147, 9, 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.



218, 71, 138



9, 109, 147



109, 116, 226

Square

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



9, 109, 147



0, 87, 216



184, 90, 189



199, 140, 35

Rectangle

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



9, 109, 147



0, 77, 155



184, 90, 189



223, 71, 102

Sweetspot

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



9, 109, 147



138, 176, 191



9, 147, 60



64, 88, 97



224, 224, 224



97, 97, 97

Same Dimension

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



9, 109, 147



0, 138, 191



9, 83, 147



67, 72, 74



0, 100, 138



0, 7, 10

Inverse Universe

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



147, 9, 95



191, 0, 119



147, 9, 27



74, 67, 71



138, 0, 85



10, 0, 6

Previews

White Background



This preview shows how the RYB color 9, 109, 147 looks on a white background.

Color Contrast Check

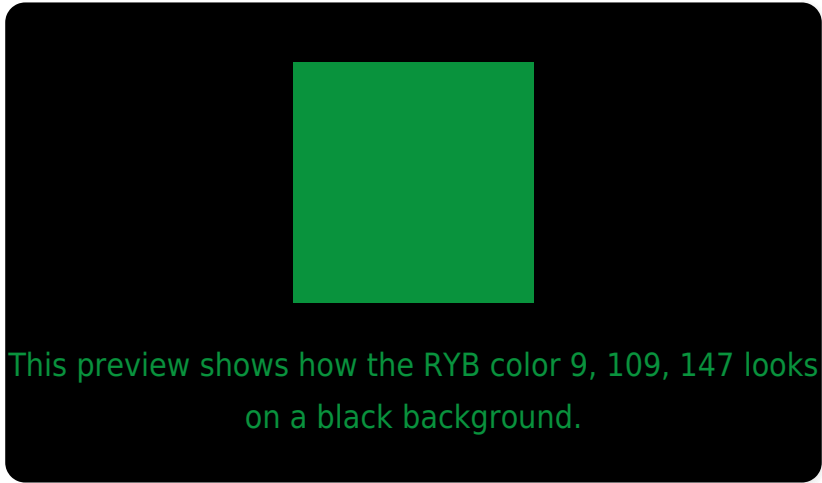
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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 × Fail

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

R Y B 9, 109, 147 Background



This preview shows how black text looks on a background with the RYB color 9, 109, 147.



This preview shows how white text looks on a background with the RYB color 9, 109, 147.

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

9, 109, 147

Protanopia

70, 140, 55

Deuteranopia

128, 155, 69



Tritanopia
59, 101, 149

Trichromacy



Original Color

9, 109, 147



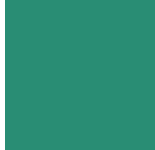
Protanomaly

57, 134, 99



Deuteranomaly

66, 130, 94



Tritanomaly

41, 98, 141

Monochromacy



Original Color

9, 109, 147



Achromatopsia

96, 96, 96



Achromatomaly

64, 101, 115

CSS Examples

Text

The CSS property to change the color of the text to RYB 9, 109, 147 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(9, 147, 61)` looks like.

```
.text, #text, p{  
    color:rgb(9, 147, 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(9, 147, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 147, 61) }
```

Border

The CSS property to change the border of an element to RYB 9, 109, 147 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(9, 147, 61) }
```

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

```
.border{ border-color:rgb(9, 147, 61) }
```

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

Here you see how a box with a 4 pixel rgb(9, 147, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 147, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 147, 61);  
box-shadow:4px 4px 4px 4px rgb(9, 147, 61)  
}
```

Background

The CSS property to change the background color of an element to RGB 9, 109, 147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 147, 61) }
```

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

```
.background{ background-color: rgb(9, 147,  
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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