

Converting Colors

`RYB(9, 121, 177)`

Have a look what the booklet for
RYB(9, 121, 177) contains.

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Color

`RYB(9, 121, 177)`

Conversions

Conversions Part 1	
Format	Color
Hex	09B15D
RGB	9, 177, 93
RGB Percent	4%, 69%, 36%
CMY	0.9647, 0.3059, 0.6353
CMYK	0.95, 0.00, 0.47, 0.31
HSL	150°, 90%, 36%
HSV	150°, 95%, 69%
XYZ	17.8106, 32.2927, 15.6503
YIQ	117.1920, -73.1640, -61.7400

Conversions

Conversions Part 2

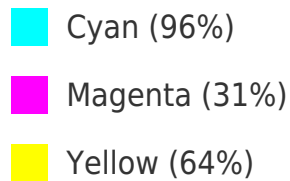
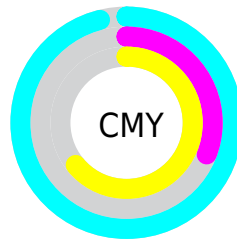
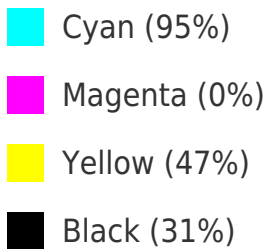
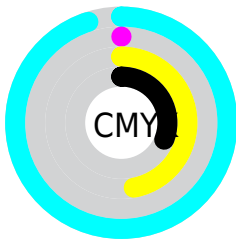
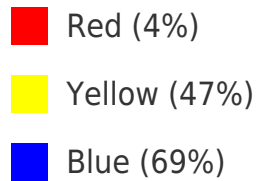
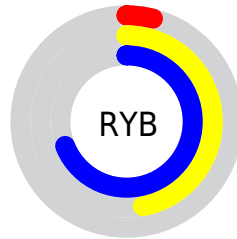
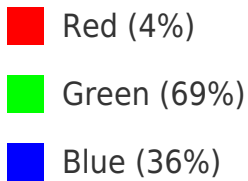
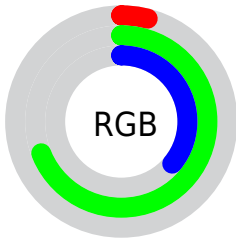
Format	Color
RYB	9, 121, 177
Decimal	635229
CIELab	63.58, -56.91, 32.45
CIELCh	64, 65.514, 150.311
Yxy	32.2927, 0.2709, 0.4911
Android (android.graphics.Color)	4278825309 (0xFF09B15D)
YUV	117.1920, -11.9267, -94.8844
Hunter-Lab	56.8266, -43.5012, 23.4499

Details

The RYB color **9, 121, 177** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **177, 9, 93**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **96, 198, 234**, and **0, 91, 123** is the 20% darker color. If you saturate the color by 10%, you get **0, 118, 177**, and if you desaturate by 10%, it is **27, 127, 177**.

Distribution



Brightness & Saturation Gradients

These gradients show how the RYB color 9, 121, 177 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, 121, 177 by changing the saturation by 10% instead.



9, 121, 177



9, 121, 177

255, 255, 255



0, 103, 150



96, 198, 234



0, 91, 123



127, 222, 255



0, 80, 97



157, 226, 255



0, 72, 72



187, 230, 255



0, 49, 49



217, 236, 255



0, 21, 21



247, 251, 255



0, 0, 0



9, 121, 177




9, 121, 177





0, 118, 177




27, 127, 177

 44, 132, 177


 62, 138, 177

 80, 145, 177

 98, 151, 177

 115, 156, 177

 133, 162, 177

 151, 168, 177

 168, 174, 177

Harmonies

Analogous

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



41, 168, 85



9, 121, 177



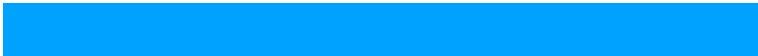
0, 98, 181

Triad

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



9, 121, 177



0, 99, 255



255, 105, 99

Complementary

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



9, 121, 177



177, 9, 93

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.



255, 96, 156



9, 121, 177



153, 138, 255

Square

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



9, 121, 177



0, 104, 255



224, 112, 213



228, 194, 49

Rectangle

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



9, 121, 177



0, 93, 193



224, 112, 213



255, 100, 117

Sweetspot

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



9, 121, 177



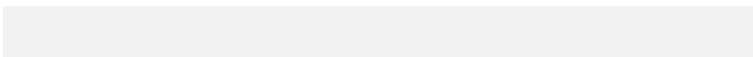
165, 209, 230



9, 177, 93



76, 102, 115



242, 242, 242



115, 115, 115

Same Dimension

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



9, 121, 177



0, 153, 230



9, 93, 177



80, 86, 89



0, 102, 153



0, 17, 26

Inverse Universe

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



177, 9, 93



230, 0, 115



177, 9, 9



89, 80, 85



153, 0, 77



26, 0, 13

Previews

White Background



This preview shows how the RYB color 9, 121, 177 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 9, 121, 177 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 9, 121, 177 Background



This preview shows how black text looks on a background with the RYB color 9, 121, 177.



This preview shows how white text looks on a background with the RYB color 9, 121, 177.

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

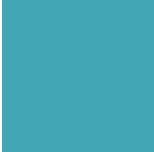
9, 121, 177

Protanopia

102, 168, 84

Deuteranopia

171, 184, 101



Tritanopia

67, 120, 181

Trichromacy



Original Color

9, 121, 177



Protanomaly

87, 162, 139



Deuteranomaly

98, 157, 135



Tritanomaly

46, 115, 171

Monochromacy



Original Color

9, 121, 177



Achromatopsia

117, 117, 117



Achromatomaly

78, 119, 139

CSS Examples

Text

The CSS property to change the color of the text to RGB 9, 121, 177 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, 177, 93) looks like.

```
.text, #text, p{  
    color:rgb(9, 177, 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(9, 177, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 177, 93) }
```

Border

The CSS property to change the border of an element to RYB 9, 121, 177 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, 177, 93) }
```

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

```
.border{ border-color:rgb(9, 177, 93) }
```

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

Here you see how a box with a 4 pixel rgb(9, 177, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 177, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 177, 93);  
box-shadow:4px 4px 4px 4px rgb(9, 177, 93)  
}
```

Background

The CSS property to change the background color of an element to RGB 9, 121, 177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 177, 93) }
```

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

```
.background{ background-color: rgb(9, 177,  
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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