

Converting Colors

`RYB(15, 120, 171)`

Have a look what the booklet for
RYB(15, 120, 171) contains.

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Color

$\text{RYB}(15, 120, 171)$

Conversions

Conversions Part 1

Format	Color
Hex	0FAB5B
RGB	15, 171, 91
RGB Percent	6%, 67%, 36%
CMY	0.9412, 0.3294, 0.6440
CMYK	0.91, 0.00, 0.47, 0.33
HSL	149°, 84%, 36%
HSV	149°, 91%, 67%
XYZ	16.6384, 29.9788, 14.7555
YIQ	115.2360, -67.2960, -57.9520

Conversions

Conversions Part 2

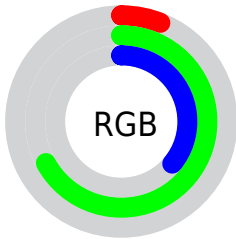
Format	Color
RYB	15, 120, 171
Decimal	1026907
CIELab	61.64, -54.94, 31.13
CIELCh	62, 63.141, 150.465
Yxy	29.9788, 0.2711, 0.4885
Android (android.graphics.Color)	4279216987 (0xFF0FAB5B)
YUV	115.2360, -11.9483, -87.9070
Hunter-Lab	54.7529, -41.5747, 22.3488

Details

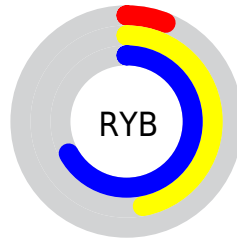
The RYB color **15, 120, 171** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **171, 15, 95**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **95, 193, 228**, and **0, 86, 117** is the 20% darker color. If you saturate the color by 10%, you get **0, 115, 171**, and if you desaturate by 10%, it is **32, 125, 171**.

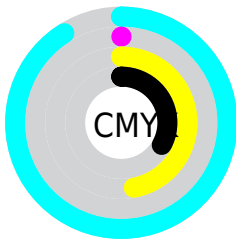
Distribution



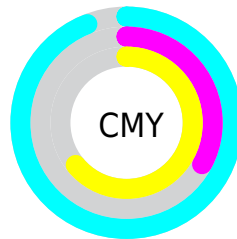
- Red (6%)
- Green (67%)
- Blue (36%)



- Red (6%)
- Yellow (47%)
- Blue (67%)



- Cyan (91%)
- Magenta (0%)
- Yellow (47%)
- Black (33%)




- Cyan (94%)
- Magenta (33%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the RYB color 15, 120, 171 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 15, 120, 171 by changing the saturation by 10% instead.

 15, 120, 171

255, 255, 255

 95, 193, 228


 126, 223, 255

 156, 227, 255

 185, 230, 255

 215, 236, 255

 246, 251, 255

 15, 120, 171

 0, 99, 144

 0, 86, 117


 0, 75, 91


 0, 66, 66


 0, 44, 44


 0, 11, 11

 0, 0, 0

 15, 120, 171

 0, 115, 171

 15, 120, 171

 32, 125, 171

■ 49, 131, 171

■ 66, 137, 171

■ 83, 142, 171

■ 100, 148, 171

■ 118, 154, 171

■ 135, 159, 171

■ 152, 165, 171

■ 169, 170, 171

Harmonies

Analogous

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



42, 162, 84



15, 120, 171



0, 95, 175

Triad

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



15, 120, 171



0, 96, 255



246, 103, 96

Complementary

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



15, 120, 171



171, 15, 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.



247, 94, 150



15, 120, 171



149, 134, 246

Square

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



15, 120, 171



0, 100, 246



217, 109, 205



219, 186, 49

Rectangle

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



15, 120, 171



0, 90, 186



217, 109, 205



249, 97, 113

Sweetspot

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



15, 120, 171



162, 202, 222



15, 171, 90



76, 100, 112



240, 240, 240



112, 112, 112

Same Dimension

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



15, 120, 171



0, 149, 222



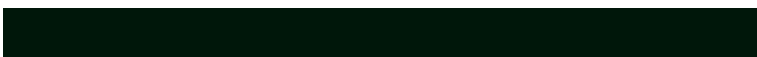
15, 94, 171



78, 84, 87



0, 101, 150



0, 16, 23

Inverse Universe

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



171, 15, 95



222, 0, 114



171, 15, 18



87, 78, 82



150, 0, 77



23, 0, 12

Previews

White Background



This preview shows how the RYB color 15, 120, 171 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



This preview shows how the RYB color 15, 120, 171 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](#).

RGB 15, 120, 171 Background



This preview shows how black text looks on a background with the RGB color 15, 120, 171.



This preview shows how white text looks on a background with the RGB color 15, 120, 171.

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
15, 120, 171

Protanopia
99, 162, 82

Deuteranopia
164, 177, 98



Tritanopia
66, 117, 175

Trichromacy



Original Color

15, 120, 171



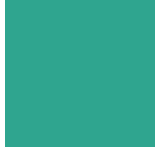
Protanomaly

85, 156, 132



Deuteranomaly

95, 152, 129



Tritanomaly

47, 112, 165

Monochromacy



Original Color

15, 120, 171



Achromatopsia

115, 115, 115



Achromatomaly

79, 117, 135

CSS Examples

Text

The CSS property to change the color of the text to RYB 15, 120, 171 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(15, 171, 91)` looks like.

```
.text, #text, p{  
    color:rgb(15, 171, 91)  
}
```

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(15, 171, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 171, 91) }
```

Border

The CSS property to change the border of an element to RYB 15, 120, 171 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(15, 171, 91) }
```

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

```
.border{ border-color:rgb(15, 171, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 171, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 171, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 171, 91);  
box-shadow:4px 4px 4px 4px rgb(15, 171,  
91) }
```

Background

The CSS property to change the background color of an element to RGB 15, 120, 171 is called "background".

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

```
.background, #background, body{  
background: rgb(15, 171, 91) }
```

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

```
.background{ background-color: rgb(15, 171,  
91) }
```

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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