

Converting Colors

`RYB(15, 153, 150)`

Have a look what the booklet for
RYB(15, 153, 150) contains.

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Color

RYB(15, 153, 150)

Conversions

Conversions Part 1

Format	Color
Hex	12990F
RGB	18, 153, 15
RGB Percent	7%, 60%, 6%
CMY	0.9294, 0.4000, 0.9412
CMYK	0.88, 0.00, 0.90, 0.40
HSL	119°, 82%, 33%
HSV	119°, 90%, 60%
XYZ	11.7269, 22.9456, 4.2628
YIQ	96.9030, -36.1620, -71.5380

Conversions

Conversions Part 2

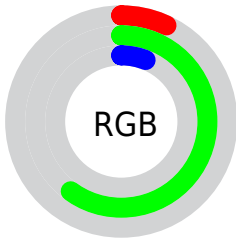
Format	Color
RYB	15, 153, 150
Decimal	1218831
CIELab	55.02, -57.19, 54.53
CIELCh	55, 79.020, 136.363
Yxy	22.9456, 0.3012, 0.5893
Android (android.graphics.Color)	4279408911 (0xFF12990F)
YUV	96.9030, -40.3782, -69.1979
Hunter-Lab	47.9015, -40.1285, 28.2548

Details

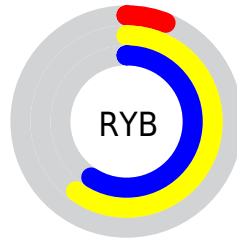
The RYB color **15, 153, 150** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **150, 15, 153**, and the grayscale version is **97, 97, 97**.

A 20% lighter version of the original color is **76, 209, 191**, and **0, 100, 100** is the 20% darker color. If you saturate the color by 10%, you get **0, 153, 150**, and if you desaturate by 10%, it is **30, 153, 150**.

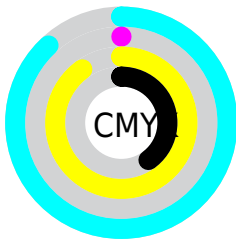
Distribution



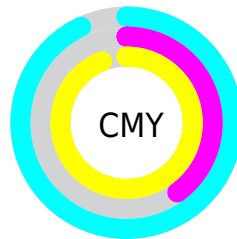
- Red (7%)
- Green (60%)
- Blue (6%)



- Red (6%)
- Yellow (60%)
- Blue (59%)



- Cyan (88%)
- Magenta (0%)
- Yellow (90%)
- Black (40%)





- Cyan (93%)
- Magenta (40%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the RYB color 15, 153, 150 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, 153, 150 by changing the saturation by 10% instead.

 15, 153, 150

 15, 153, 150

255, 255, 255

 0, 126, 126

 76, 209, 191

 0, 100, 100

 103, 237, 216

 0, 75, 75

 130, 255, 231

 0, 52, 52

 157, 255, 229


 0, 26, 26


 185, 255, 227

 0, 0, 0

 214, 255, 226

 243, 255, 243

 15, 153, 150

 15, 153, 150

■ 0, 153, 150

■ 30, 153, 150

■ 46, 153, 151

■ 61, 153, 151

■ 76, 153, 151

■ 91, 153, 151

■ 107, 153, 152

■ 122, 153, 152

■ 137, 153, 152

■ 153, 153, 153

Harmonies

Analogous

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



0, 140, 15



15, 153, 150



0, 99, 159

Triad

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



15, 153, 150



0, 94, 255



250, 44, 98

Complementary

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



15, 153, 150



150, 15, 153

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.



236, 51, 166



15, 153, 150



0, 85, 255

Square

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



15, 153, 150



0, 94, 230



179, 93, 227



229, 102, 30

Rectangle

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



15, 153, 150



0, 85, 161



179, 93, 227



249, 38, 120

Sweetspot

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



15, 153, 150



145, 199, 198



20, 153, 15



68, 99, 99



227, 227, 227



99, 99, 99

Same Dimension

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



15, 153, 150



0, 199, 195



15, 109, 153



69, 77, 77



0, 140, 137



0, 13, 13

Inverse Universe

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



150, 15, 153



195, 0, 199



153, 15, 89



76, 69, 77



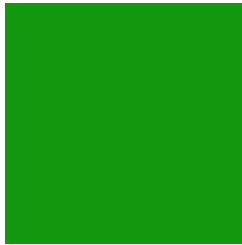
137, 0, 140



12, 0, 13

Previews

White Background



This preview shows how the RYB color 15, 153, 150 looks on a white background.

Color Contrast Check

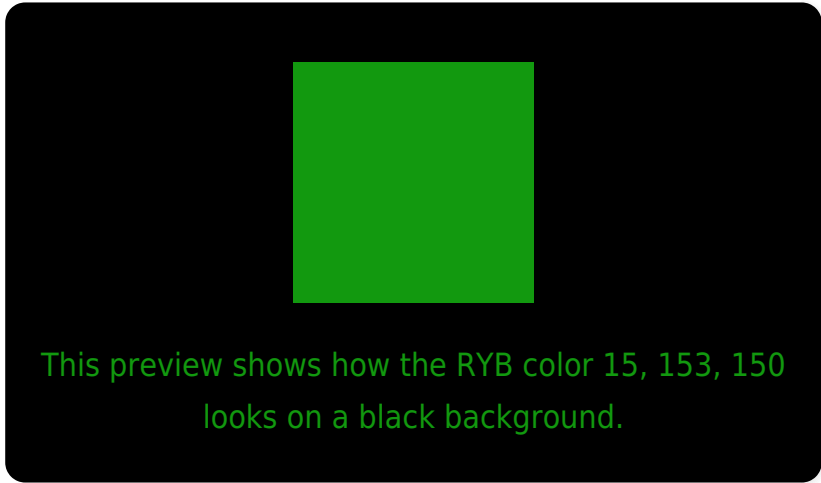
Large Text (above 18pt) WCAG AA ✓ Pass

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

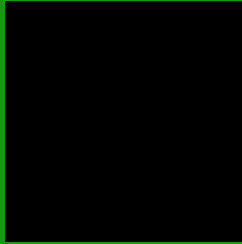
Any Text WCAG AA ✓ Pass

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](#).

RYB 15, 153, 150 Background



This preview shows how black text looks on a background with the RYB color 15, 153, 150.



This preview shows how white text looks on a background with the RYB color 15, 153, 150.

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, 153, 150

Protanopia
19, 148, 0

Deuteranopia
94, 164, 36



Tritanopia
66, 107, 154

Trichromacy



Original Color

15, 153, 150



Protanomaly

5, 139, 43



Deuteranomaly

28, 135, 52



Tritanomaly

49, 111, 146

Monochromacy



Original Color

15, 153, 150



Achromatopsia

97, 97, 97



Achromatomaly

67, 117, 116

CSS Examples

Text

The CSS property to change the color of the text to RYB 15, 153, 150 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(18, 153, 15)` looks like.

```
.text, #text, p{  
    color:rgb(18, 153, 15)  
}
```

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(18, 153, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 153, 15) }
```

Border

The CSS property to change the border of an element to RYB 15, 153, 150 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(18, 153, 15) }
```

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

```
.border{ border-color:rgb(18, 153, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 153, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 153, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 153, 15);  
box-shadow:4px 4px 4px 4px rgb(18, 153,  
15) }
```

Background

The CSS property to change the background color of an element to RYB 18, 153, 150 is called "background".

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

```
.background, #background, body{  
background: rgb(18, 153, 150) }
```

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

```
.background{ background-color: rgb(18, 153,  
150) }
```

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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