

Converting Colors

`RYB(0, 113, 172)`

Have a look what the booklet for
RYB(0, 113, 172) contains.

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Color

RYB(0, 113, 172)

Conversions

Conversions Part 1

Format	Color
Hex	00AC5A
RGB	0, 172, 90
RGB Percent	0%, 67%, 35%
CMY	1.0000, 0.3255, 0.6478
CMYK	1.00, 0.00, 0.48, 0.33
HSL	151°, 100%, 34%
HSV	151°, 100%, 67%
XYZ	16.5897, 30.2399, 14.5920
YIQ	111.2240, -76.1900, -61.9660

Conversions

Conversions Part 2

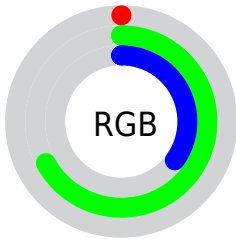
Format	Color
RYB	0, 113, 172
Decimal	44122
CIELab	61.86, -56.18, 31.89
CIELCh	62, 64.601, 150.415
Yxy	30.2399, 0.2701, 0.4923
Android (android.graphics.Color)	4278234202 (0xFF00AC5A)
YUV	111.2240, -10.4634, -97.5434
Hunter-Lab	54.9908, -42.3838, 22.7608

Details

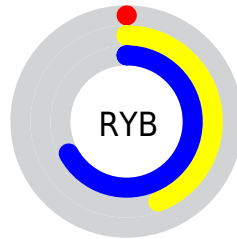
The RYB color **0, 113, 172** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **172, 0, 82**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **92, 193, 229**, and **0, 87, 118** is the 20% darker color. If you saturate the color by 10%, you get **0, 113, 172**, and if you desaturate by 10%, it is **17, 119, 172**.

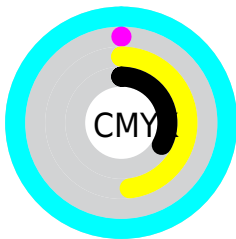
Distribution



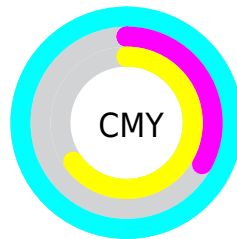
- Red (0%)
- Green (67%)
- Blue (35%)



- Red (0%)
- Yellow (44%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (33%)




- Cyan (100%)
- Magenta (33%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the RYB color 0, 113, 172 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 0, 113, 172 by changing the saturation by 10% instead.

 0, 113, 172

255, 255, 255

 92, 193, 229


 123, 221, 255


 153, 225, 255

 183, 229, 255

 213, 235, 255

 243, 249, 255

 0, 113, 172

 0, 100, 145

 0, 87, 118

 0, 78, 92


 0, 67, 67


 0, 45, 45


 0, 13, 13


 0, 0, 0


 0, 113, 172


 17, 119, 172


 34, 125, 172


 52, 131, 172


 69, 137, 172

 86, 142, 172

 103, 148, 172

 120, 154, 172

 138, 160, 172

 155, 166, 172

Harmonies

Analogous

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



38, 163, 81



0, 113, 172



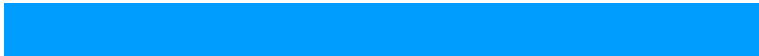
0, 95, 176

Triad

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



0, 113, 172



0, 97, 255



248, 102, 95

Complementary

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



0, 113, 172



172, 0, 82

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.



250, 93, 151



0, 113, 172



149, 134, 249

Square

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



0, 113, 172



0, 101, 249



219, 108, 207



221, 190, 46

Rectangle

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



0, 113, 172



0, 91, 188



219, 108, 207



252, 96, 113

Sweetspot

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



0, 113, 172



157, 201, 224



0, 172, 89



72, 98, 112



240, 240, 240



112, 112, 112

Same Dimension

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



0, 113, 172



0, 147, 224



0, 85, 172



78, 84, 87



0, 98, 150



0, 15, 23

Inverse Universe

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



172, 0, 82



224, 0, 107



172, 3, 0



87, 78, 82



150, 0, 72



23, 0, 11

Previews

White Background



This preview shows how the RYB color 0, 113, 172 looks on a white background.

Color Contrast Check

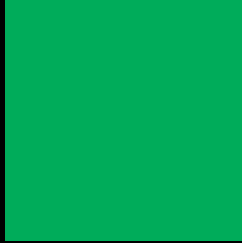
Large Text (above 18pt) WCAG AA × Fail

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 0, 113, 172 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 0, 113, 172 Background



This preview shows how black text looks on a background with the RYB color 0, 113, 172.

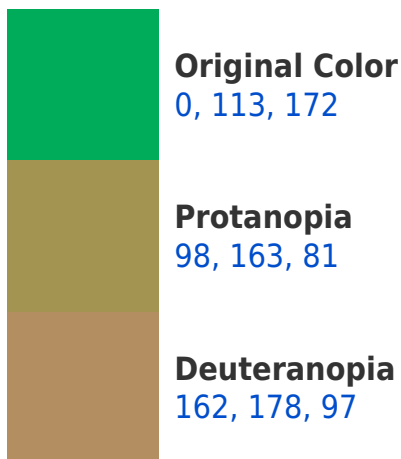


This preview shows how white text looks on a background with the RYB color 0, 113, 172.

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





Tritanopia
65, 117, 176

Trichromacy



Original Color

0, 113, 172



Protanomaly

84, 157, 137



Deuteranomaly

94, 153, 134



Tritanomaly

41, 109, 166

Monochromacy



Original Color

0, 113, 172



Achromatopsia

111, 111, 111



Achromatomaly

71, 112, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 113, 172 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(0, 172, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 90)  
}
```

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(0, 172, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 90) }
```

Border

The CSS property to change the border of an element to RYB 0, 113, 172 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(0, 172, 90) }
```

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

```
.border{ border-color:rgb(0, 172, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 172, 90)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 113, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 90) }
```

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

```
.background{ background-color: rgb(0, 172,  
90) }
```

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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