

Converting Colors

`RYB(0, 114, 161)`

Have a look what the booklet for
RYB(0, 114, 161) contains.

RYB(0, 114, 161)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(0, 114, 161)`

Conversions

Conversions Part 1

Format	Color
Hex	00A142
RGB	0, 161, 66
RGB Percent	0%, 63%, 26%
CMY	1.0000, 0.3686, 0.7397
CMYK	1.00, 0.00, 0.59, 0.37
HSL	145°, 100%, 32%
HSV	145°, 100%, 63%
XYZ	13.7394, 25.8876, 9.4854
YIQ	102.0310, -65.4610, -63.6770

Conversions

Conversions Part 2

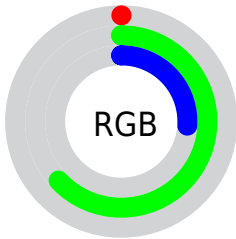
Format	Color
RYB	0, 114, 161
Decimal	41282
CIELab	57.93, -56.25, 38.81
CIELCh	58, 68.341, 145.401
Yxy	25.8876, 0.2798, 0.5271
Android (android.graphics.Color)	4278231362 (0xFF00A142)
YUV	102.0310, -17.7633, -89.4812
Hunter-Lab	50.8798, -40.8382, 24.5626

Details

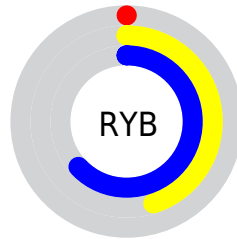
The RYB color `0, 114, 161` is a dark color, and the websafe version is hex `009933`. A complement of this color would be `161, 0, 95`, and the grayscale version is `102, 102, 102`.

A 20% lighter version of the original color is `90, 195, 217`, and `0, 96, 108` is the 20% darker color. If you saturate the color by 10%, you get `0, 114, 161`, and if you desaturate by 10%, it is `16, 119, 161`.

Distribution



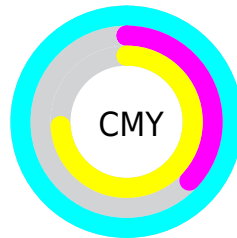
- Red (0%)
- Green (63%)
- Blue (26%)



- Red (0%)
- Yellow (45%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (37%)




- Cyan (100%)
- Magenta (37%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the RYB color 0, 114, 161 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, 114, 161 by changing the saturation by 10% instead.

 0, 114, 161

 0, 114, 161


255, 255, 255

 0, 102, 134

 90, 195, 217

 0, 95, 108

 120, 227, 246

 0, 82, 82

 150, 238, 255

 0, 58, 58

 179, 240, 255


 0, 35, 35


 209, 242, 255


 0, 0, 0


 239, 247, 255


 0, 114, 161


 16, 119, 161

 32, 123, 161

 48, 128, 161


 64, 133, 161

 81, 138, 161

 97, 143, 161

 113, 147, 161

 129, 152, 161

 145, 156, 161

Harmonies

Analogous

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



0, 151, 33



0, 114, 161



0, 94, 166

Triad

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



0, 114, 161



0, 94, 255



243, 82, 92

Complementary

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



0, 114, 161



161, 0, 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.



240, 76, 151



0, 114, 161



118, 126, 248

Square

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



0, 114, 161



0, 96, 237



202, 98, 208



218, 154, 37

Rectangle

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



0, 114, 161



0, 84, 169



202, 98, 208



245, 77, 111

Sweetspot

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



0, 114, 161



146, 191, 209



0, 161, 64



67, 94, 105



232, 232, 232



105, 105, 105

Same Dimension

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



0, 114, 161



0, 148, 209



0, 85, 161



73, 79, 82



0, 103, 145



0, 13, 18

Inverse Universe

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



161, 0, 95



209, 0, 123



161, 0, 16



82, 73, 78



145, 0, 85



18, 0, 10

Previews

White Background



This preview shows how the RYB color 0, 114, 161 looks on a white background.

Color Contrast Check

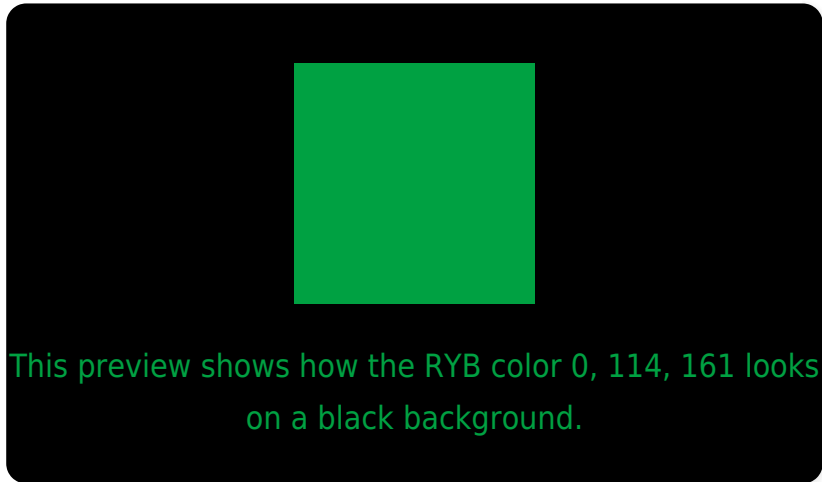
Large Text (above 18pt) WCAG AA ✓ Pass

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 0, 114, 161 Background



This preview shows how black text looks on a background with the RYB color 0, 114, 161.



This preview shows how white text looks on a background with the RYB color 0, 114, 161.

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
0, 114, 161

Protanopia
77, 154, 59

Deuteranopia
136, 169, 75



Tritanopia
64, 110, 163

Trichromacy



Original Color

0, 114, 161



Protanomaly

62, 147, 111



Deuteranomaly

72, 143, 107



Tritanomaly

41, 106, 155

Monochromacy



Original Color

0, 114, 161



Achromatopsia

102, 102, 102



Achromatomaly

65, 106, 123

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 114, 161 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, 161, 66)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 66)  
}
```

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, 161, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 66) }
```

Border

The CSS property to change the border of an element to RYB 0, 114, 161 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, 161, 66) }
```

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

```
.border{ border-color:rgb(0, 161, 66) }
```

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

Here you see how a box with a 4 pixel rgb(0, 161, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 66);  
box-shadow:4px 4px 4px 4px rgb(0, 161, 66)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 114, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 66) }
```

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

```
.background{ background-color: rgb(0, 161,  
66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor