

Converting Colors

`RYB(16, 119, 170)`

Have a look what the booklet for
RYB(16, 119, 170) contains.

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Color

R_YB(16, 119, 170)

Conversions

Conversions Part 1

Format	Color
Hex	10AA5C
RGB	16, 170, 92
RGB Percent	6%, 67%, 36%
CMY	0.9373, 0.3333, 0.6382
CMYK	0.91, 0.00, 0.46, 0.33
HSL	150°, 83%, 36%
HSV	150°, 91%, 67%
XYZ	16.5312, 29.6367, 15.0323
YIQ	115.0620, -66.7460, -56.9060

Conversions

Conversions Part 2

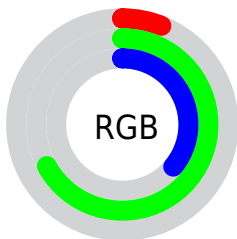
Format	Color
RYB	16, 119, 170
Decimal	1092188
CIELab	61.34, -54.26, 29.98
CIELCh	61, 61.990, 151.082
Yxy	29.6367, 0.2701, 0.4843
Android (android.graphics.Color)	4279282268 (0xFF10AA5C)
YUV	115.0620, -11.3696, -86.8774
Hunter-Lab	54.4396, -41.0657, 21.7361

Details

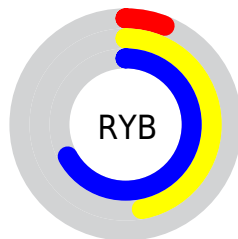
The RYB color **16, 119, 170** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **170, 16, 94**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **95, 191, 226**, and **0, 84, 116** is the 20% darker color. If you saturate the color by 10%, you get **0, 114, 170**, and if you desaturate by 10%, it is **33, 125, 170**.

Distribution



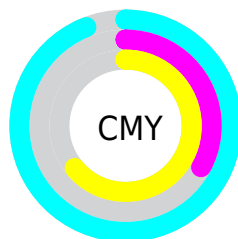
- Red (6%)
- Green (67%)
- Blue (36%)



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



- Cyan (91%)
- Magenta (0%)
- Yellow (46%)
- Black (33%)





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

Brightness & Saturation Gradients

These gradients show how the RYB color 16, 119, 170 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 16, 119, 170 by changing the saturation by 10% instead.

 16, 119, 170

 16, 119, 170

255, 255, 255

 0, 97, 143

 95, 190, 226

 0, 84, 116

 126, 222, 255

 0, 74, 91

 155, 225, 255

 0, 66, 66

 185, 229, 255


 0, 43, 43


 215, 235, 255

 0, 9, 9


 245, 250, 255


 0, 0, 0


 16, 119, 170


 16, 119, 170


 0, 114, 170

 33, 125, 170

 50, 130, 170


 67, 136, 170

 84, 141, 170

 101, 147, 170

 118, 153, 170

 135, 159, 170

 152, 164, 170

 169, 170, 170

Harmonies

Analogous

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



44, 161, 86



16, 119, 170



0, 94, 174

Triad

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



16, 119, 170



0, 96, 255



243, 103, 95

Complementary

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



16, 119, 170



170, 16, 94

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.



245, 95, 148



16, 119, 170



150, 133, 243

Square

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



16, 119, 170



0, 99, 244



216, 109, 202



217, 188, 49

Rectangle

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



16, 119, 170



0, 90, 186



216, 109, 202



247, 98, 112

Sweetspot

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



16, 119, 170



162, 202, 222



16, 170, 90



76, 100, 112



240, 240, 240



112, 112, 112

Same Dimension

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



16, 119, 170



0, 148, 222



16, 94, 170



76, 81, 84



0, 99, 148



0, 13, 20

Inverse Universe

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



170, 16, 94



222, 0, 112



170, 16, 19



84, 76, 80



148, 0, 75



20, 0, 10

Previews

White Background



This preview shows how the RYB color 16, 119, 170 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 16, 119, 170 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 16, 119, 170 Background



This preview shows how black text looks on a background with the RYB color 16, 119, 170.

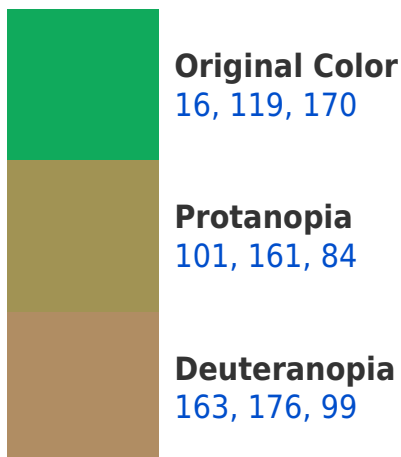


This preview shows how white text looks on a background with the RYB color 16, 119, 170.

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, 116, 174

Trichromacy



Original Color

16, 119, 170



Protanomaly

87, 155, 134



Deuteranomaly

97, 152, 131



Tritanomaly

47, 111, 164

Monochromacy



Original Color

16, 119, 170



Achromatopsia

115, 115, 115



Achromatomaly

79, 116, 135

CSS Examples

Text

The CSS property to change the color of the text to RYB 16, 119, 170 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(16, 170, 92)` looks like.

```
.text, #text, p{  
    color:rgb(16, 170, 92)  
}
```

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(16, 170, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 170, 92) }
```

Border

The CSS property to change the border of an element to RYB 16, 119, 170 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(16, 170, 92) }
```

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

```
.border{ border-color:rgb(16, 170, 92) }
```

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

Here you see how a box with a 4 pixel rgb(16, 170, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 170, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 170, 92);  
box-shadow:4px 4px 4px 4px rgb(16, 170,  
92) }
```

Background

The CSS property to change the background color of an element to RGB 16, 170, 92 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 170, 92) }
```

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

```
.background{ background-color: rgb(16, 170,  
92) }
```

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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