

Converting Colors

`RYB(41, 159, 126)`

Have a look what the booklet for
RYB(41, 159, 126) contains.

RYB(41, 159, 126)	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

R_YB(41, 159, 126)

Conversions

Conversions Part 1

Format	Color
Hex	4A9F29
RGB	74, 159, 41
RGB Percent	29%, 62%, 16%
CMY	0.7098, 0.3765, 0.8392
CMYK	0.53, 0.00, 0.74, 0.38
HSL	103°, 59%, 39%
HSV	103°, 74%, 62%
XYZ	15.6224, 26.4122, 6.3725
YIQ	120.1330, -12.7820, -54.7180

Conversions

Conversions Part 2

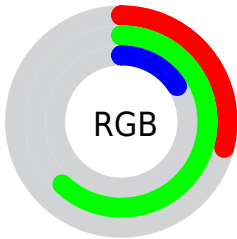
Format	Color
RYB	41, 159, 126
Decimal	4890409
CIELab	58.43, -46.91, 50.67
CIELCh	58, 69.054, 132.796
Yxy	26.4122, 0.3227, 0.5456
Android (android.graphics.Color)	4283080489 (0xFF4A9F29)
YUV	120.1330, -39.0126, -40.4586
Hunter-Lab	51.3928, -35.6769, 28.6232

Details

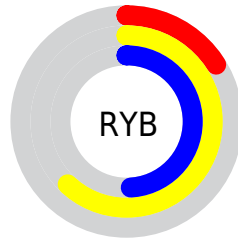
The RYB color **41, 159, 126** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **126, 41, 159**, and the grayscale version is **121, 121, 121**.

A 20% lighter version of the original color is **94, 214, 177**, and **0, 106, 106** is the 20% darker color. If you saturate the color by 10%, you get **25, 159, 121**, and if you desaturate by 10%, it is **57, 159, 131**.

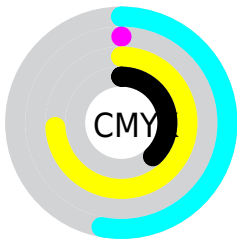
Distribution



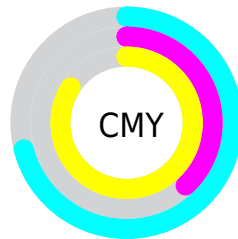
- Red (29%)
- Green (62%)
- Blue (16%)



- Red (16%)
- Yellow (62%)
- Blue (49%)



- Cyan (53%)
- Magenta (0%)
- Yellow (74%)
- Black (38%)



- Cyan (71%)
- Magenta (38%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the RYB color 41, 159, 126 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 41, 159, 126 by changing the saturation by 10% instead.



41, 159, 126



41, 159, 126

255, 255, 255



6, 132, 95



94, 214, 177



0, 106, 106



121, 243, 205



0, 81, 81



148, 255, 215



0, 57, 57



175, 255, 213



0, 36, 36



204, 255, 213



0, 0, 0



232, 255, 232



41, 159, 126



41, 159, 126



25, 159, 121



57, 159, 131

■ 9, 159, 117

■ 73, 159, 135

■ 0, 159, 115

■ 89, 159, 140

■ 105, 159, 144

■ 121, 159, 149

■ 136, 159, 152

■ 152, 159, 157

■ 166, 159, 168

■ 177, 159, 184

Harmonies

Analogous

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



0, 146, 1



41, 159, 126



0, 103, 166

Triad

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



41, 159, 126



0, 97, 255



248, 76, 117

Complementary

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



41, 159, 126



126, 41, 159

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.



231, 84, 178



41, 159, 126



40, 108, 255

Square

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



41, 159, 126



0, 95, 222



175, 112, 230



234, 109, 60

Rectangle

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



41, 159, 126



0, 90, 168



175, 112, 230



246, 75, 137

Sweetspot

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



41, 159, 126



161, 207, 194



87, 159, 41



77, 105, 97



232, 232, 232



105, 105, 105

Same Dimension

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



41, 159, 126



23, 207, 156



41, 138, 159



71, 79, 77



0, 143, 103



0, 15, 11

Inverse Universe

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



126, 41, 159



155, 23, 207



159, 41, 133



77, 71, 79



103, 0, 143



11, 0, 15

Previews

White Background



This preview shows how the RYB color 41, 159, 126 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 41, 159, 126 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 41, 159, 126 Background



This preview shows how black text looks on a background with the RYB color 41, 159, 126.



This preview shows how white text looks on a background with the RYB color 41, 159, 126.

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

41, 159, 126

Protanopia

56, 157, 36

Deuteranopia

114, 174, 52



Tritanopia
96, 125, 160

Trichromacy



Original Color

41, 159, 126

Protanomaly

38, 147, 58

Deuteranomaly

48, 142, 52

Tritanomaly

88, 132, 152

Monochromacy



Original Color

41, 159, 126

Achromatopsia

120, 120, 120

Achromatomaly

91, 134, 122

CSS Examples

Text

The CSS property to change the color of the text to RYB 41, 159, 126 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(74, 159, 41)` looks like.

```
.text, #text, p{  
    color:rgb(74, 159, 41)  
}
```

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(74, 159, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 159, 41) }
```

Border

The CSS property to change the border of an element to RYB 41, 159, 126 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(74, 159, 41) }
```

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

```
.border{ border-color:rgb(74, 159, 41) }
```

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

Here you see how a box with a 4 pixel rgb(74, 159, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 159, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 159, 41);  
box-shadow:4px 4px 4px 4px rgb(74, 159,  
41) }
```

Background

The CSS property to change the background color of an element to RYB 41, 159, 126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 159, 41) }
```

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

```
.background{ background-color: rgb(74, 159,  
41) }
```

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