

Converting Colors

`RYB(61, 138, 170)`

Have a look what the booklet for
RYB(61, 138, 170) contains.

RYB(61, 138, 170)	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(61, 138, 170)

Conversions

Conversions Part 1

Format	Color
Hex	3DAA6A
RGB	61, 170, 106
RGB Percent	24%, 67%, 42%
CMY	0.7608, 0.3333, 0.5831
CMYK	0.64, 0.00, 0.37, 0.33
HSL	145°, 47%, 45%
HSV	145°, 64%, 67%
XYZ	18.9163, 30.7884, 18.6630
YIQ	130.1130, -44.4200, -43.0120

Conversions

Conversions Part 2

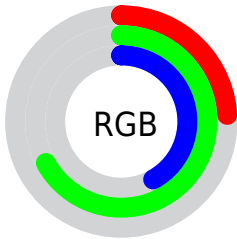
Format	Color
RYB	61, 138, 170
Decimal	4041322
CIELab	62.33, -45.70, 23.95
CIElCh	62, 51.596, 152.340
Yxy	30.7884, 0.2767, 0.4503
Android (android.graphics.Color)	4282231402 (0xFF3DAA6A)
YUV	130.1130, -11.8877, -60.6121
Hunter-Lab	55.4873, -36.2500, 18.8990

Details

The RYB color **61, 138, 170** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **170, 61, 125**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **120, 198, 226**, and **0, 78, 117** is the 20% darker color. If you saturate the color by 10%, you get **44, 133, 170**, and if you desaturate by 10%, it is **78, 143, 170**.

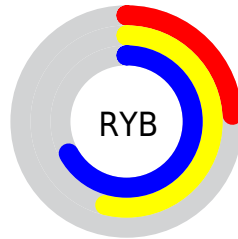
Distribution



Red (24%)

Green (67%)

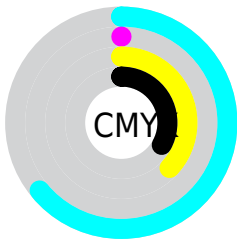
Blue (42%)



Red (24%)

Yellow (54%)

Blue (67%)

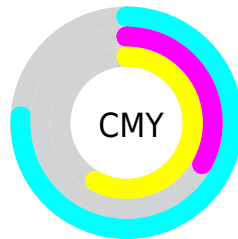


Cyan (64%)

Magenta (0%)

Yellow (37%)

Black (33%)



Cyan (76%)

Magenta (33%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 61, 138, 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 61, 138, 170 by changing the saturation by 10% instead.

 61, 138, 170  61, 138, 170

255, 255, 255  24, 104, 143

 120, 198, 226  0, 78, 117

 148, 228, 255  0, 66, 91

 177, 230, 255  0, 56, 67

 206, 234, 255  0, 44, 44

 236, 246, 255  0, 15, 15

 0, 0, 0

 61, 138, 170  61, 138, 170

 44, 133, 170  78, 143, 170

■ 27, 128, 170

■ 95, 148, 170

■ 10, 123, 170

■ 112, 153, 170

■ 0, 120, 170

■ 129, 158, 170

■ 146, 163, 170

■ 163, 168, 170

■ 180, 170, 176

■ 197, 170, 186

■ 214, 170, 196

Harmonies

Analogous

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



69, 162, 105



61, 138, 170



0, 92, 173

Triad

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



61, 138, 170



64, 124, 242



232, 118, 104

Complementary

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



61, 138, 170



170, 61, 125

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.



234, 110, 149



61, 138, 170



158, 137, 228

Square

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



61, 138, 170



0, 97, 231



210, 119, 194



210, 186, 69

Rectangle

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



61, 138, 170



0, 89, 184



210, 119, 194



235, 113, 118

Sweetspot

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



61, 138, 170



180, 210, 222



61, 170, 105



86, 104, 112



240, 240, 240



112, 112, 112

Same Dimension

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



61, 138, 170



51, 172, 222



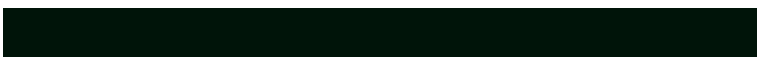
61, 118, 170



76, 82, 84



0, 105, 148



0, 14, 20

Inverse Universe

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



170, 61, 125



222, 51, 151



170, 61, 72



84, 76, 81



148, 0, 86



20, 0, 12

Previews

White Background



This preview shows how the RYB color 61, 138, 170 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 61, 138, 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 ✓ Pass

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

RYB 61, 138, 170 Background



This preview shows how black text looks on a background with the RYB color 61, 138, 170.



This preview shows how white text looks on a background with the RYB color 61, 138, 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



Original Color
61, 138, 170

Protanopia
113, 162, 98

Deuteranopia
176, 172, 112



Tritanopia
83, 126, 175

Trichromacy



Original Color

61, 138, 170



Protanomaly

101, 157, 133



Deuteranomaly

110, 153, 129



Tritanomaly

75, 124, 165

Monochromacy



Original Color

61, 138, 170



Achromatopsia

130, 130, 130



Achromatomaly

105, 134, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 61, 138, 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(61, 170, 106)` looks like.

```
.text, #text, p{  
    color:rgb(61, 170, 106)  
}
```

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(61, 170, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 170, 106) }
```

Border

The CSS property to change the border of an element to RYB 61, 138, 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(61, 170, 106) }
```

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

```
.border{ border-color:rgb(61, 170, 106) }
```

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

Here you see how a box with a 4 pixel rgb(61, 170, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 170, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 170, 106);  
box-shadow:4px 4px 4px 4px rgb(61, 170,  
106) }
```

Background

The CSS property to change the background color of an element to RGB 61, 138, 170 is called "background".

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

```
.background, #background, body{  
background: rgb(61, 170, 106) }
```

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

```
.background{ background-color: rgb(61, 170,  
106) }
```

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