

Converting Colors

`RYB(64, 137, 170)`

Have a look what the booklet for
RYB(64, 137, 170) contains.

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Color

`RYB(64, 137, 170)`

Conversions

Conversions Part 1

Format	Color
Hex	40AA70
RGB	64, 170, 112
RGB Percent	25%, 67%, 44%
CMY	0.7490, 0.3333, 0.5611
CMYK	0.62, 0.00, 0.34, 0.33
HSL	147°, 45%, 46%
HSV	147°, 62%, 67%
XYZ	19.4091, 31.0075, 20.2673
YIQ	131.6940, -44.5580, -40.5100

Conversions

Conversions Part 2

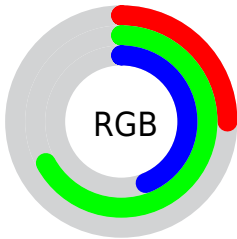
Format	Color
RYB	64, 137, 170
Decimal	4237936
CIELab	62.51, -43.98, 21.18
CIELCh	63, 48.817, 154.293
Yxy	31.0075, 0.2746, 0.4387
Android (android.graphics.Color)	4282428016 (0xFF40AA70)
YUV	131.6940, -9.7091, -59.3676
Hunter-Lab	55.6843, -35.2303, 17.3994

Details

The RYB color **64, 137, 170** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **170, 64, 122**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **122, 196, 226**, and **0, 76, 117** is the 20% darker color. If you saturate the color by 10%, you get **47, 132, 170**, and if you desaturate by 10%, it is **81, 142, 170**.

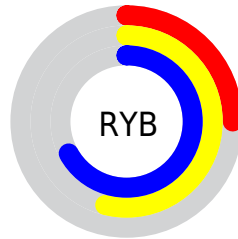
Distribution



Red (25%)

Green (67%)

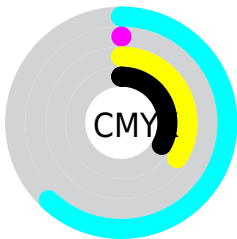
Blue (44%)



Red (25%)

Yellow (54%)

Blue (67%)

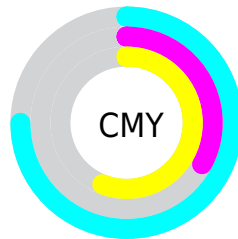


Cyan (62%)

Magenta (0%)

Yellow (34%)

Black (33%)



Cyan (75%)


Magenta (33%)

Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the RYB color 64, 137, 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 64, 137, 170 by changing the saturation by 10% instead.

 64, 137, 170

255, 255, 255


 122, 196, 226


 150, 226, 255

 179, 229, 255


 208, 233, 255

 238, 247, 255

 64, 137, 170

 29, 105, 143

 0, 76, 117


 0, 63, 91


 0, 52, 67


 0, 44, 44


 0, 16, 16

 0, 0, 0

 64, 137, 170

 47, 132, 170

 64, 137, 170

 81, 142, 170

■ 30, 127, 170

■ 98, 147, 170

■ 13, 121, 170

■ 115, 153, 170

■ 0, 117, 170

■ 132, 158, 170

■ 149, 164, 170

■ 166, 169, 170

■ 183, 170, 177

■ 200, 170, 186

■ 217, 170, 196

Harmonies

Analogous

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



76, 163, 114



64, 137, 170



0, 91, 173

Triad

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



64, 137, 170



83, 132, 237



228, 122, 105

Complementary

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



64, 137, 170



170, 64, 122

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, 114, 147



64, 137, 170



162, 137, 223

Square

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



64, 137, 170



0, 96, 229



209, 121, 190



206, 189, 73

Rectangle

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



64, 137, 170



0, 89, 185



209, 121, 190



231, 117, 118

Sweetspot

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



64, 137, 170



180, 209, 222



64, 170, 112



86, 104, 112



240, 240, 240



112, 112, 112

Same Dimension

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



64, 137, 170



55, 170, 222



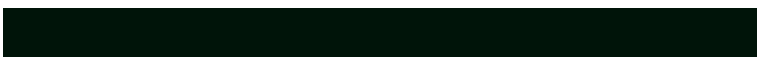
64, 118, 170



76, 81, 84



0, 102, 148



0, 14, 20

Inverse Universe

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



170, 64, 122



222, 55, 147



170, 64, 69



84, 76, 80



148, 0, 81



20, 0, 11

Previews

White Background



This preview shows how the RYB color 64, 137, 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 64, 137, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

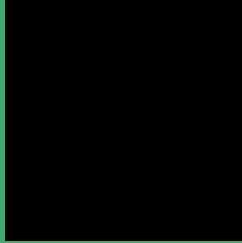
Any Text WCAG AA ✓ Pass

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 64, 137, 170 Background



This preview shows how black text looks on a background with the RYB color 64, 137, 170.

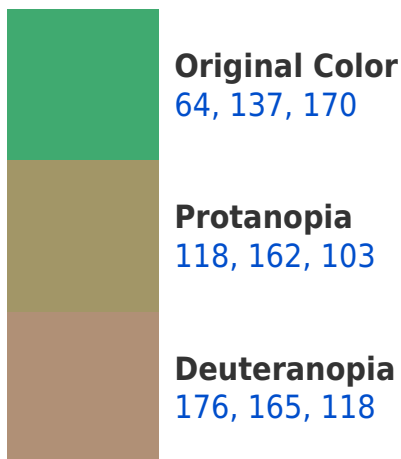


This preview shows how white text looks on a background with the RYB color 64, 137, 170.

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
85, 126, 175

Trichromacy



Original Color

64, 137, 170



Protanomaly

106, 157, 137



Deuteranomaly

116, 153, 134



Tritanomaly

77, 125, 165

Monochromacy



Original Color

64, 137, 170



Achromatopsia

132, 132, 132



Achromatomaly

107, 134, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 64, 137, 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(64, 170, 112)` looks like.

```
.text, #text, p{  
    color:rgb(64, 170, 112)  
}
```

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(64, 170, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 170, 112) }
```

Border

The CSS property to change the border of an element to RYB 64, 137, 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(64, 170, 112) }
```

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

```
.border{ border-color:rgb(64, 170, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 170, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 170, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 170, 112);  
box-shadow:4px 4px 4px 4px rgb(64, 170,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 64, 137, 170 is called "background".

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

```
.background, #background, body{  
background: rgb(64, 170, 112) }
```

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

```
.background{ background-color: rgb(64, 170,  
112) }
```

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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