

Converting Colors

`RYB(64, 123, 172)`

Have a look what the booklet for RYB(64, 123, 172) contains.

RYB(64, 123, 172)	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(64, 123, 172)`

Conversions

Conversions Part 1

Format	Color
Hex	40AC9A
RGB	64, 172, 154
RGB Percent	25%, 67%, 60%
CMY	0.7490, 0.3255, 0.3973
CMYK	0.63, 0.00, 0.11, 0.33
HSL	170°, 46%, 46%
HSV	170°, 63%, 67%
XYZ	22.6742, 32.9180, 35.5975
YIQ	137.6560, -58.5900, -28.4940

Conversions

Conversions Part 2

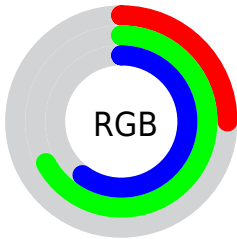
Format	Color
RYB	64, 123, 172
Decimal	4238490
CIELab	64.09, -35.13, 0.31
CIElCh	64, 35.136, 179.487
Yxy	32.9180, 0.2486, 0.3610
Android (android.graphics.Color)	4282428570 (0xFF40AC9A)
YUV	137.6560, 8.0576, -64.5963
Hunter-Lab	57.3742, -29.8618, 3.3757

Details

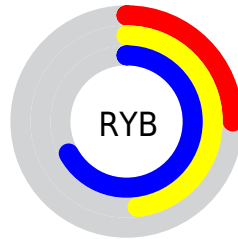
The RYB color **64, 123, 172** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **172, 64, 82**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **123, 181, 228**, and **0, 64, 119** is the 20% darker color. If you saturate the color by 10%, you get **47, 115, 172**, and if you desaturate by 10%, it is **81, 131, 172**.

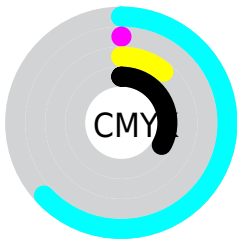
Distribution



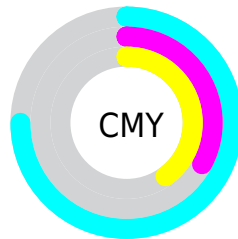
- Red (25%)
- Green (67%)
- Blue (60%)



- Red (25%)
- Yellow (48%)
- Blue (67%)



- Cyan (63%)
- Magenta (0%)
- Yellow (11%)
- Black (33%)



- Cyan (75%)
- Magenta (33%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 64, 123, 172 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, 123, 172 by changing the saturation by 10% instead.



64, 123, 172



64, 123, 172

255, 255, 255



27, 91, 145



123, 181, 228



0, 64, 119



152, 209, 255



0, 51, 94



181, 218, 255



0, 38, 69



210, 233, 255



0, 26, 46



240, 248, 255



0, 15, 23



0, 0, 0



64, 123, 172



64, 123, 172



47, 115, 172



81, 131, 172

■ 30, 108, 172

■ 98, 138, 172

■ 12, 99, 172

■ 116, 147, 172

■ 0, 94, 172

■ 133, 154, 172

■ 150, 162, 172

■ 167, 170, 172

■ 184, 172, 174

■ 202, 172, 177

■ 219, 172, 180

Harmonies

Analogous

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



107, 157, 169



64, 123, 172



20, 99, 185

Triad

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



64, 123, 172



158, 147, 210



202, 169, 102

Complementary

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



64, 123, 172



172, 64, 82

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.



215, 134, 126



64, 123, 172



194, 137, 188

Square

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



64, 123, 172



109, 143, 218



214, 131, 157



124, 176, 92

Rectangle

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



64, 123, 172



34, 109, 202



214, 131, 157



208, 152, 109

Sweetspot

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



64, 123, 172



182, 205, 224



64, 172, 152



86, 100, 112



240, 240, 240



112, 112, 112

Same Dimension

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



64, 123, 172



56, 148, 224



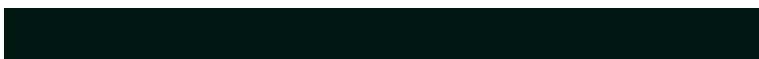
64, 108, 172



78, 83, 87



0, 82, 150



0, 13, 23

Inverse Universe

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



172, 64, 82



224, 56, 85



172, 114, 64



87, 78, 79



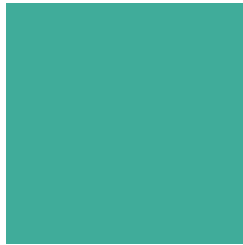
150, 0, 25



23, 0, 4

Previews

White Background



This preview shows how the RYB color 64, 123, 172 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, 123, 172 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, 123, 172 Background



This preview shows how black text looks on a background with the RYB color 64, 123, 172.

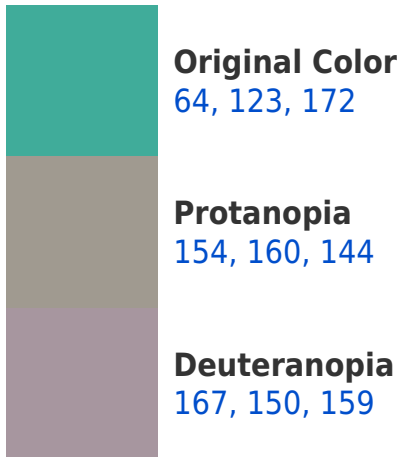


This preview shows how white text looks on a background with the RYB color 64, 123, 172.

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
76, 125, 182

Trichromacy



Original Color

64, 123, 172



Protanomaly

125, 147, 161



Deuteranomaly

130, 144, 158



Tritanomaly

72, 121, 172

Monochromacy



Original Color

64, 123, 172



Achromatopsia

138, 138, 138



Achromatomaly

111, 132, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 64, 123, 172 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, 172, 154)` looks like.

```
.text, #text, p{  
    color:rgb(64, 172, 154)  
}
```

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, 172, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 172, 154) }
```

Border

The CSS property to change the border of an element to RYB 64, 123, 172 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, 172, 154) }
```

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

```
.border{ border-color:rgb(64, 172, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 172, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 172, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 172, 154);  
box-shadow:4px 4px 4px 4px rgb(64, 172,  
154) }
```

Background

The CSS property to change the background color of an element to RYB 64, 123, 172 is called "background".

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

```
.background, #background, body{  
background: rgb(64, 172, 154) }
```

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

```
.background{ background-color: rgb(64, 172,  
154) }
```

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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