

Converting Colors

`RYB(67, 117, 172)`

Have a look what the booklet for
RYB(67, 117, 172) contains.

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Color

R_YB(67, 117, 172)

Conversions

Conversions Part 1

Format	Color
Hex	43A2AC
RGB	67, 162, 172
RGB Percent	26%, 64%, 67%
CMY	0.7373, 0.3629, 0.3255
CMYK	0.61, 0.06, 0.00, 0.33
HSL	185°, 44%, 47%
HSV	185°, 61%, 67%
XYZ	22.7617, 30.1729, 43.6540
YIQ	134.7350, -59.8300, -17.0300

Conversions

Conversions Part 2

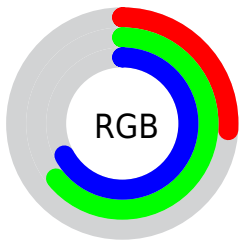
Format	Color
RYB	67, 117, 172
Decimal	4432556
CIELab	61.80, -24.86, -13.33
CIELCh	62, 28.210, 208.202
Yxy	30.1729, 0.2357, 0.3124
Android (android.graphics.Color)	4282622636 (0xFF43A2AC)
YUV	134.7350, 18.3716, -59.4036
Hunter-Lab	54.9299, -22.1611, -8.6681

Details

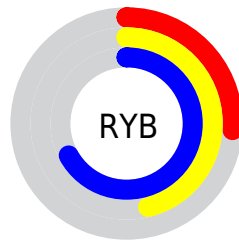
The RYB color **67, 117, 172** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **172, 78, 67**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **126, 174, 227**, and **0, 57, 120** is the 20% darker color. If you saturate the color by 10%, you get **50, 108, 172**, and if you desaturate by 10%, it is **84, 126, 172**.

Distribution



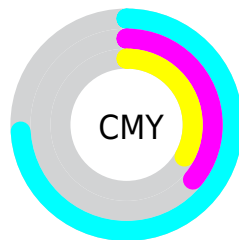
- Red (26%)
- Green (64%)
- Blue (67%)



- Red (26%)
- Yellow (46%)
- Blue (67%)



- Cyan (61%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)



- Cyan (74%)
- Magenta (36%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 67, 117, 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 67, 117, 172 by changing the saturation by 10% instead.

 67, 117, 172  67, 117, 172

255, 255, 255  32, 86, 145

 126, 174, 227  0, 57, 120

 155, 203, 255  0, 45, 95

 184, 220, 255  0, 33, 71

 213, 234, 255  0, 22, 49

 243, 249, 255  0, 9, 28

 0, 0, 0

 67, 117, 172  67, 117, 172

 50, 108, 172  84, 126, 172

■ 33, 99, 172

■ 101, 135, 172

■ 15, 90, 172

■ 119, 144, 172

■ 0, 82, 172

■ 136, 153, 172

■ 153, 162, 172

■ 170, 171, 172

■ 187, 173, 172

■ 205, 175, 172

■ 222, 178, 172

Harmonies

Analogous

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



84, 128, 163



67, 117, 172



79, 126, 191

Triad

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



67, 117, 172



180, 135, 176



129, 168, 99

Complementary

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



67, 117, 172



172, 78, 67

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.



188, 159, 108



67, 117, 172



196, 131, 152

Square

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



67, 117, 172



151, 143, 193



199, 132, 127



105, 155, 118

Rectangle

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



67, 117, 172



101, 136, 198



199, 132, 127



157, 176, 101

Sweetspot

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



67, 117, 172



184, 203, 224



67, 164, 172



88, 99, 112



240, 240, 240



112, 112, 112

Same Dimension

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



67, 117, 172



61, 139, 224



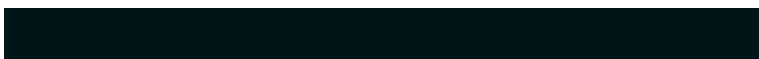
67, 98, 172



78, 82, 87



0, 72, 150



0, 11, 23

Inverse Universe

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



172, 67, 162



224, 61, 210



143, 172, 67



87, 78, 86



150, 0, 137



23, 0, 21

Previews

White Background



This preview shows how the RYB color 67, 117, 172 looks on a white background.

Color Contrast Check

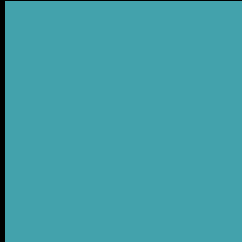
Large Text (above 18pt) WCAG AA ✓ Pass

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 67, 117, 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 67, 117, 172 Background



This preview shows how black text looks on a background with the RYB color 67, 117, 172.

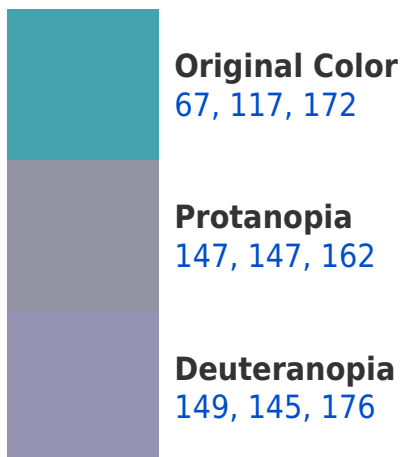


This preview shows how white text looks on a background with the RYB color 67, 117, 172.

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
68, 118, 175

Trichromacy



Original Color

67, 117, 172



Protanomaly

118, 138, 166



Deuteranomaly

119, 139, 175



Tritanomaly

68, 118, 174

Monochromacy



Original Color

67, 117, 172



Achromatopsia

135, 135, 135



Achromatomaly

110, 128, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 67, 117, 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(67, 162, 172)` looks like.

```
.text, #text, p{  
    color:rgb(67, 162, 172)  
}
```

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(67, 162, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 162, 172) }
```

Border

The CSS property to change the border of an element to RYB 67, 117, 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(67, 162, 172) }
```

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

```
.border{ border-color:rgb(67, 162, 172) }
```

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

Here you see how a box with a 4 pixel rgb(67, 162, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 162, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 162, 172);  
box-shadow:4px 4px 4px 4px rgb(67, 162,  
172) }
```

Background

The CSS property to change the background color of an element to RGB 67, 117, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 162, 172) }
```

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

```
.background{ background-color: rgb(67, 162,  
172) }
```

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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