

Converting Colors

`RYB(67, 172, 213)`

Have a look what the booklet for
RYB(67, 172, 213) contains.

RYB(67, 172, 213)	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(67, 172, 213)`

Conversions

Conversions Part 1

Format	Color
Hex	43D57C
RGB	67, 213, 124
RGB Percent	26%, 84%, 49%
CMY	0.7373, 0.1647, 0.5137
CMYK	0.69, 0.00, 0.42, 0.16
HSL	143°, 63%, 55%
HSV	143°, 69%, 84%
XYZ	29.7477, 50.2373, 27.2008
YIQ	159.2000, -58.4470, -58.6310

Conversions

Conversions Part 2

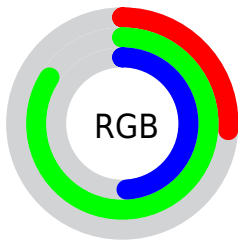
Format	Color
RYB	67, 172, 213
Decimal	4445564
CIELab	76.21, -58.00, 33.03
CIElCh	76, 66.747, 150.340
Yxy	50.2373, 0.2775, 0.4687
Android (android.graphics.Color)	4282635644 (0xFF43D57C)
YUV	159.2000, -17.3536, -80.8594
Hunter-Lab	70.8783, -49.1203, 26.8611

Details

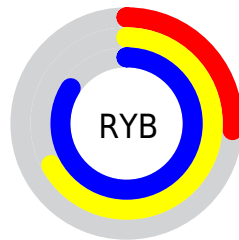
The RYB color **67, 172, 213** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **213, 67, 156**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **131, 221, 255**, and **0, 107, 157** is the 20% darker color. If you saturate the color by 10%, you get **46, 166, 213**, and if you desaturate by 10%, it is **88, 178, 213**.

Distribution



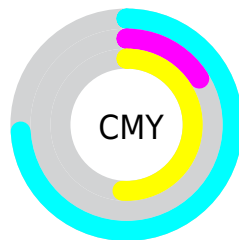
- Red (26%)
- Green (84%)
- Blue (49%)



- Red (26%)
- Yellow (67%)
- Blue (84%)



- Cyan (69%)
- Magenta (0%)
- Yellow (42%)
- Black (16%)



- Cyan (74%)
- Magenta (16%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the RYB color 67, 172, 213 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, 172, 213 by changing the saturation by 10% instead.



67, 172, 213



67, 172, 213

255, 255, 255



20, 132, 185



131, 221, 255



0, 107, 157



162, 226, 255



0, 94, 130



192, 230, 255



0, 84, 104



222, 239, 255



0, 78, 78



253, 254, 255



0, 54, 54



0, 30, 30



0, 0, 0



67, 172, 213



67, 172, 213

■ 46, 166, 213

■ 88, 178, 213

■ 24, 160, 213

■ 110, 184, 213

■ 3, 154, 213

■ 131, 190, 213

■ 0, 153, 213

■ 152, 196, 213

■ 174, 202, 213

■ 195, 208, 213

■ 216, 213, 215

■ 237, 213, 228

■ 255, 213, 241

Harmonies

Analogous

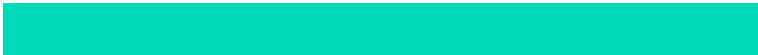
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74, 202, 118



67, 172, 213



0, 117, 218

Triad

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



67, 172, 213



0, 111, 255



255, 140, 129

Complementary

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



67, 172, 213



213, 67, 156

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.



255, 131, 190



67, 172, 213



190, 171, 255

Square

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



67, 172, 213



0, 115, 255



255, 146, 250



255, 234, 80

Rectangle

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



67, 172, 213



0, 112, 229



255, 146, 250



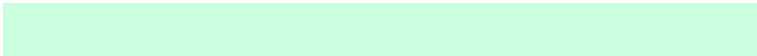
255, 134, 149

Sweetspot

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



67, 172, 213



201, 240, 255



67, 213, 123



96, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



67, 172, 213



46, 196, 255



67, 145, 213



96, 104, 107



0, 123, 171



0, 31, 43

Inverse Universe

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



213, 67, 156



255, 46, 173



213, 67, 84



107, 96, 103



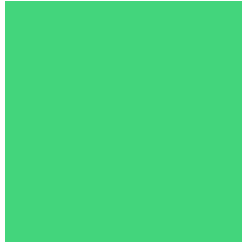
171, 0, 104



43, 0, 26

Previews

White Background



This preview shows how the RYB color 67, 172, 213 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 67, 172, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

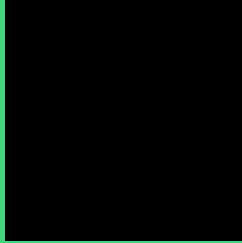
Any Text WCAG AA ✓ Pass

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, 172, 213 Background



This preview shows how black text looks on a background with the RYB color 67, 172, 213.

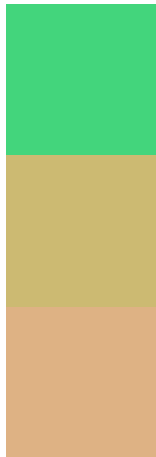


This preview shows how white text looks on a background with the RYB color 67, 172, 213.

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
67, 172, 213

Protanopia
137, 204, 114

Deuteranopia
218, 222, 132



Tritanopia
100, 155, 218

Trichromacy



Original Color

67, 172, 213



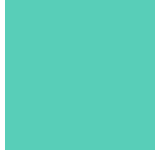
Protanomaly

118, 196, 160



Deuteranomaly

129, 191, 154



Tritanomaly

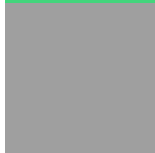
88, 153, 206

Monochromacy



Original Color

67, 172, 213



Achromatopsia

159, 159, 159



Achromatomaly

126, 164, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 67, 172, 213 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, 213, 124)` looks like.

```
.text, #text, p{  
    color:rgb(67, 213, 124)  
}
```

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, 213, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 213, 124) }
```

Border

The CSS property to change the border of an element to RYB 67, 172, 213 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, 213, 124) }
```

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

```
.border{ border-color:rgb(67, 213, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 213, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 213, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 213, 124);  
box-shadow:4px 4px 4px 4px rgb(67, 213,  
124) }
```

Background

The CSS property to change the background color of an element to RGB 67, 172, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 213, 124) }
```

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

```
.background{ background-color: rgb(67, 213,  
124) }
```

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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