

Converting Colors

`RYB(35, 160, 102)`

Have a look what the booklet for
RYB(35, 160, 102) contains.

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Color

R_YB(35, 160, 102)

Conversions

Conversions Part 1

Format	Color
Hex	5DA023
RGB	93, 160, 35
RGB Percent	36%, 63%, 14%
CMY	0.6353, 0.3725, 0.8627
CMYK	0.42, 0.00, 0.78, 0.37
HSL	92°, 64%, 38%
HSV	92°, 78%, 63%
XYZ	17.3884, 27.5901, 5.9991
YIQ	125.7170, 0.1930, -53.0790

Conversions

Conversions Part 2

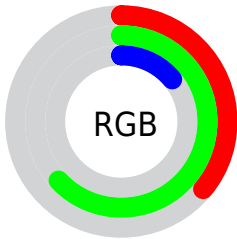
Format	Color
RYB	35, 160, 102
Decimal	6135843
CIELab	59.52, -41.66, 54.10
CIELCh	60, 68.280, 127.600
Yxy	27.5901, 0.3411, 0.5412
Android (android.graphics.Color)	4284325923 (0xFF5DA023)
YUV	125.7170, -44.7235, -28.6928
Hunter-Lab	52.5263, -32.8301, 29.9968

Details

The RYB color **35, 160, 102** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **102, 35, 160**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **90, 215, 156**, and **0, 108, 73** is the 20% darker color. If you saturate the color by 10%, you get **19, 160, 95**, and if you desaturate by 10%, it is **51, 160, 109**.

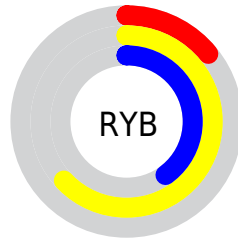
Distribution



Red (36%)

Green (63%)

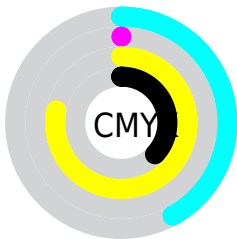
Blue (14%)



Red (14%)

Yellow (63%)

Blue (40%)

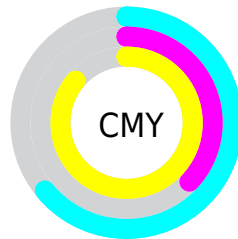


Cyan (42%)

Magenta (0%)

Yellow (78%)

Black (37%)



Cyan (64%)

Magenta (37%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the RYB color 35, 160, 102 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 35, 160, 102 by changing the saturation by 10% instead.



35, 160, 102



35, 160, 102

255, 255, 255



0, 133, 68



90, 215, 156



0, 108, 73



117, 244, 184



0, 83, 83



144, 255, 193



0, 59, 59



171, 255, 191



0, 39, 39



200, 255, 200



0, 0, 0



228, 255, 228



35, 160, 102



35, 160, 102



19, 160, 95



51, 160, 109

■ 3, 160, 87

■ 67, 160, 117

■ 0, 160, 86

■ 83, 160, 124

■ 99, 160, 132

■ 115, 160, 139

■ 131, 160, 147

■ 147, 160, 154

■ 162, 160, 163

■ 170, 160, 179

Harmonies

Analogous

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



13, 158, 0



35, 160, 102



0, 107, 168

Triad

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



35, 160, 102



0, 99, 254



250, 80, 131

Complementary

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



35, 160, 102



102, 35, 160

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.



226, 92, 190



35, 160, 102



0, 93, 255

Square

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



35, 160, 102



0, 95, 215



164, 120, 239



241, 101, 73

Rectangle

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



35, 160, 102



0, 94, 170



164, 120, 239



246, 80, 151

Sweetspot

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



35, 160, 102



161, 209, 187



143, 160, 35



75, 105, 91



232, 232, 232



105, 105, 105

Same Dimension

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



35, 160, 102



13, 209, 118



35, 156, 160



71, 79, 75



0, 143, 77



0, 15, 8

Inverse Universe

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



102, 35, 160



118, 13, 209



160, 35, 156



75, 71, 79



77, 0, 143



8, 0, 15

Previews

White Background



This preview shows how the RYB color 35, 160, 102 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 35, 160, 102 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 × Fail

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

RYB 35, 160, 102 Background



This preview shows how black text looks on a background with the RYB color 35, 160, 102.



This preview shows how white text looks on a background with the RYB color 35, 160, 102.

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
35, 160, 102

Protanopia
51, 160, 31

Deuteranopia
110, 178, 46



Tritanopia
111, 133, 161

Trichromacy



Original Color

35, 160, 102

Protanomaly

32, 149, 45

Deuteranomaly

45, 147, 42

Tritanomaly

104, 144, 153

Monochromacy



Original Color

35, 160, 102

Achromatopsia

126, 126, 126

Achromatomaly

93, 138, 117

CSS Examples

Text

The CSS property to change the color of the text to RYB 35, 160, 102 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(93, 160, 35)` looks like.

```
.text, #text, p{  
    color:rgb(93, 160, 35)  
}
```

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(93, 160, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 160, 35) }
```

Border

The CSS property to change the border of an element to RYB 35, 160, 102 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(93, 160, 35) }
```

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

```
.border{ border-color:rgb(93, 160, 35) }
```

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

Here you see how a box with a 4 pixel rgb(93, 160, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 160, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 160, 35);  
box-shadow:4px 4px 4px 4px rgb(93, 160,  
35) }
```

Background

The CSS property to change the background color of an element to RGB 93, 160, 35 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 160, 35) }
```

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

```
.background{ background-color: rgb(93, 160,  
35) }
```

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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