

Converting Colors

`RYB(75, 210, 105)`

Have a look what the booklet for
RYB(75, 210, 105) contains.

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Color

$\text{RYB}(75, 210, 105)$

Conversions

Conversions Part 1

Format	Color
Hex	B4D24B
RGB	180, 210, 75
RGB Percent	71%, 82%, 29%
CMY	0.2941, 0.1765, 0.7059
CMYK	0.14, 0.00, 0.64, 0.18
HSL	73°, 60%, 56%
HSV	73°, 64%, 82%
XYZ	43.1390, 56.3045, 15.2508
YIQ	185.6400, 25.4550, -48.3450

Conversions

Conversions Part 2

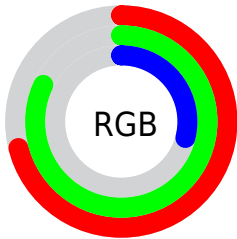
Format	Color
RYB	75, 210, 105
Decimal	11850315
CIELab	79.79, -28.62, 61.28
CIELCh	80, 67.639, 115.036
Yxy	56.3045, 0.3761, 0.4909
Android (android.graphics.Color)	4290040395 (0xFFB4D24B)
YUV	185.6400, -54.5455, -4.9463
Hunter-Lab	75.0363, -28.6925, 40.4750

Details

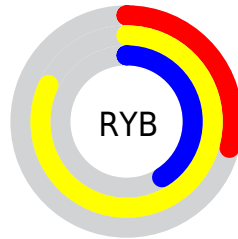
The RYB color **75, 210, 105** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **105, 75, 210**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **130, 255, 147**, and **8, 155, 39** is the 20% darker color. If you saturate the color by 10%, you get **54, 210, 89**, and if you desaturate by 10%, it is **96, 210, 121**.

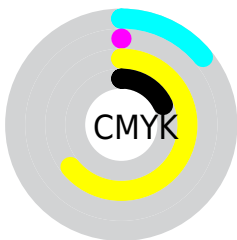
Distribution



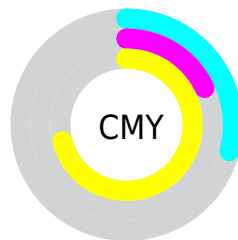
- Red (71%)
- Green (82%)
- Blue (29%)



- Red (29%)
- Yellow (82%)
- Blue (41%)



- Cyan (14%)
- Magenta (0%)
- Yellow (64%)
- Black (18%)



















- Cyan (29%)
- Magenta (18%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RYB color 75, 210, 105 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 75, 210, 105 by changing the saturation by 10% instead.

 75, 210, 105	 75, 210, 105
 255, 255, 255	 46, 182, 76
 130, 255, 147	 8, 155, 39
 157, 255, 157	 0, 129, 32
 186, 255, 186	 0, 104, 34
 214, 255, 214	 0, 80, 37
 243, 255, 243	 0, 57, 45
	 0, 36, 36
	 0, 0, 0

 75, 210, 105  75, 210, 105

■ 54, 210, 89

■ 96, 210, 121

■ 33, 210, 72

■ 117, 210, 138

■ 12, 210, 56

■ 138, 210, 154

■ 0, 210, 47

■ 159, 210, 170

■ 180, 210, 187

■ 201, 210, 203

■ 213, 210, 222

■ 217, 210, 243

■ 222, 210, 255

Harmonies

Analogous

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



134, 241, 64



75, 210, 105



98, 202, 222

Triad

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



75, 210, 105



0, 119, 255



255, 141, 211

Complementary

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



75, 210, 105



105, 75, 210

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, 159, 255



75, 210, 105



0, 115, 255

Square

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



75, 210, 105



0, 119, 249



182, 185, 255



255, 145, 148

Rectangle

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



75, 210, 105



0, 132, 227



182, 185, 255



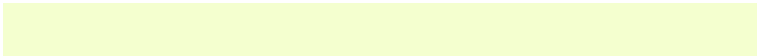
255, 145, 232

Sweetspot

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



75, 210, 105



207, 255, 218



210, 112, 75



98, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



75, 210, 105



59, 255, 103



75, 210, 172



94, 105, 97



0, 168, 37



0, 41, 9

Inverse Universe

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



105, 75, 210



102, 59, 255



172, 75, 210



96, 94, 105



37, 0, 168



9, 0, 41

Previews

White Background



This preview shows how the RYB color 75, 210, 105 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 75, 210, 105 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 75, 210, 105 Background



This preview shows how black text looks on a background with the RYB color 75, 210, 105.

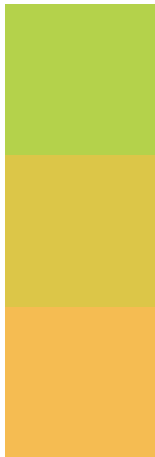


This preview shows how white text looks on a background with the RYB color 75, 210, 105.

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
75, 210, 105

Protanopia
98, 220, 72

Deuteranopia
170, 245, 82



Tritanopia
195, 197, 212

Trichromacy



Original Color

75, 210, 105

Protanomaly

76, 205, 73

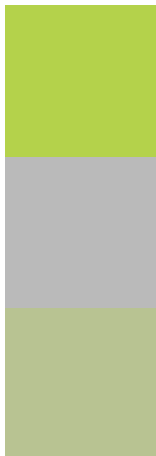
Deuteranomaly

109, 221, 79

Tritanomaly

162, 202, 174

Monochromacy



Original Color

75, 210, 105

Achromatopsia

186, 186, 186

Achromatomaly

146, 195, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 210, 105 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(180, 210, 75)` looks like.

```
.text, #text, p{  
    color:rgb(180, 210, 75)  
}
```

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(180, 210, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 210, 75) }
```

Border

The CSS property to change the border of an element to RYB 75, 210, 105 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(180, 210, 75) }
```

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

```
.border{ border-color:rgb(180, 210, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 210, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 210, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 210, 75);  
box-shadow:4px 4px 4px 4px rgb(180, 210,  
75) }
```

Background

The CSS property to change the background color of an element to RYB 75, 210, 105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 210, 75) }
```

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

```
.background{ background-color: rgb(180,  
210, 75) }
```

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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