

Converting Colors

`RYB(75, 247, 199)`

Have a look what the booklet for
RYB(75, 247, 199) contains.

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Color

RYB(75, 247, 199)

Conversions

Conversions Part 1

Format	Color
Hex	7BF74B
RGB	123, 247, 75
RGB Percent	48%, 97%, 29%
CMY	0.5176, 0.0314, 0.7059
CMYK	0.50, 0.00, 0.70, 0.03
HSL	103°, 91%, 63%
HSV	103°, 70%, 97%
XYZ	42.6991, 71.2405, 18.1569
YIQ	190.3160, -18.6920, -79.7800

Conversions

Conversions Part 2

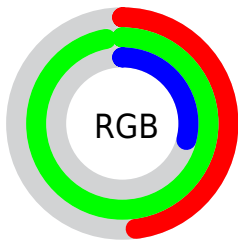
Format	Color
RYB	75, 247, 199
Decimal	8124235
CIELab	87.60, -63.62, 68.54
CIELCh	88, 93.515, 132.868
Yxy	71.2405, 0.3232, 0.5393
Android (android.graphics.Color)	4286314315 (0xFF7BF74B)
YUV	190.3160, -56.8508, -59.0361
Hunter-Lab	84.4041, -57.4058, 46.3284

Details

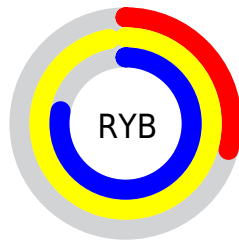
The RYB color **75, 247, 199** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed chartreuse. A complement of this color would be **199, 75, 247**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **132, 255, 203**, and **0, 190, 134** is the 20% darker color. If you saturate the color by 10%, you get **50, 247, 192**, and if you desaturate by 10%, it is **100, 247, 206**.

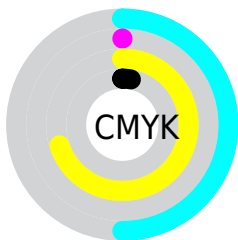
Distribution



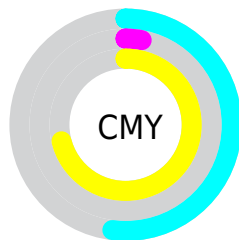
- Red (48%)
- Green (97%)
- Blue (29%)



- Red (29%)
- Yellow (97%)
- Blue (78%)



- Cyan (50%)
- Magenta (0%)
- Yellow (70%)
- Black (3%)




















- Cyan (52%)
- Magenta (3%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RYB color 75, 247, 199 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, 247, 199 by changing the saturation by 10% instead.

 75, 247, 199	 75, 247, 199
 255, 255, 255	 43, 218, 170
 132, 255, 203	 0, 190, 134
 161, 255, 201	 0, 162, 162
 189, 255, 199	 0, 135, 135
 219, 255, 219	 0, 108, 108
 248, 255, 248	 0, 83, 83
	 0, 58, 58
	 0, 34, 34
	 0, 0, 0

 75, 247, 199

 75, 247, 199

 50, 247, 192

 100, 247, 206

 26, 247, 186

 124, 247, 212

 1, 247, 178

 149, 247, 220

 0, 247, 178

 174, 247, 227

 199, 247, 234

 223, 247, 240

 248, 247, 248

 255, 247, 255

Harmonies

Analogous

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



0, 227, 1



75, 247, 199



0, 155, 255

Triad

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



75, 247, 199



0, 125, 255



255, 127, 185

Complementary

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



75, 247, 199



199, 75, 247

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, 137, 255



75, 247, 199



84, 159, 255

Square

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



75, 247, 199



0, 128, 255



255, 178, 255



255, 189, 101

Rectangle

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



75, 247, 199



0, 135, 255



255, 178, 255



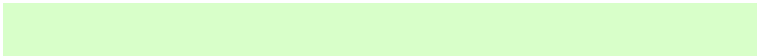
255, 125, 215

Sweetspot

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



75, 247, 199



201, 255, 240



144, 247, 75



96, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

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



75, 247, 199



41, 255, 195



75, 217, 247



110, 122, 118



0, 186, 134



0, 59, 43

Inverse Universe

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



199, 75, 247



195, 41, 255



247, 75, 210



119, 110, 122



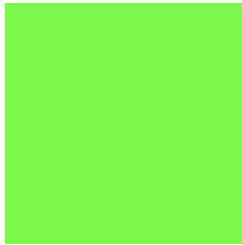
134, 0, 186



42, 0, 59

Previews

White Background



This preview shows how the RYB color 75, 247, 199 looks on a white background.

Color Contrast Check

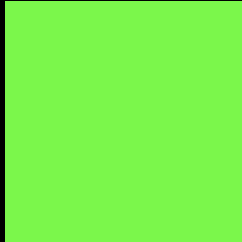
Large Text (above 18pt) WCAG AA × Fail

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, 247, 199 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

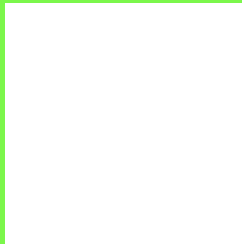
Any Text WCAG AAA ✓ Pass

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

R_YB 75, 247, 199 Background



This preview shows how black text looks on a background with the R_YB color 75, 247, 199.

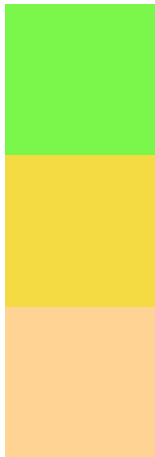


This preview shows how white text looks on a background with the R_YB color 75, 247, 199.

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, 247, 199

Protanopia
97, 244, 67

Deuteranopia
221, 255, 147



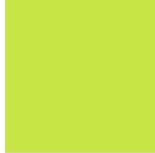
Tritanopia
154, 197, 249

Trichromacy



Original Color

75, 247, 199



Protanomaly

70, 229, 99



Deuteranomaly

121, 224, 138



Tritanomaly

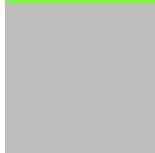
143, 207, 237

Monochromacy



Original Color

75, 247, 199



Achromatopsia

190, 190, 190



Achromatomaly

148, 211, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 247, 199 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(123, 247, 75)` looks like.

```
.text, #text, p{  
    color:rgb(123, 247, 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(123, 247, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 247, 75) }
```

Border

The CSS property to change the border of an element to RYB 75, 247, 199 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(123, 247, 75) }
```

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

```
.border{ border-color:rgb(123, 247, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 247, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 247, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 247, 75);  
box-shadow:4px 4px 4px 4px rgb(123, 247,  
75) }
```

Background

The CSS property to change the background color of an element to RGB 123, 247, 199 is called "background".

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

```
.background, #background, body{  
background: rgb(123, 247, 199) }
```

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

```
.background{ background-color: rgb(123,  
247, 199) }
```

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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