

Converting Colors

`RYB(74, 255, 176)`

Have a look what the booklet for
RYB(74, 255, 176) contains.

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Color

RYB(74, 255, 176)

Conversions

Conversions Part 1

Format	Color
Hex	99FF4A
RGB	153, 255, 74
RGB Percent	60%, 100%, 29%
CMY	0.4000, 0.0000, 0.7098
CMYK	0.40, 0.00, 0.71, 0.00
HSL	94°, 100%, 65%
HSV	94°, 71%, 100%
XYZ	50.1329, 78.7867, 19.0436
YIQ	203.8680, -2.6910, -77.9150

Conversions

Conversions Part 2

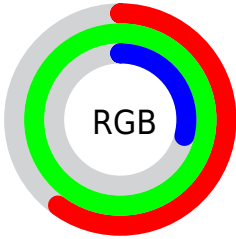
Format	Color
RYB	74, 255, 176
Decimal	10092362
CIELab	91.14, -57.82, 72.87
CIElCh	91, 93.022, 128.428
Yxy	78.7867, 0.3388, 0.5325
Android (android.graphics.Color)	4288282442 (0xFF99FF4A)
YUV	203.8680, -64.0249, -44.6112
Hunter-Lab	88.7619, -54.5161, 49.4128

Details

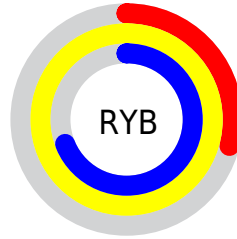
The RYB color **74, 255, 176** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **176, 74, 255**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **132, 255, 174**, and **0, 197, 105** is the 20% darker color. If you saturate the color by 10%, you get **49, 255, 165**, and if you desaturate by 10%, it is **100, 255, 188**.

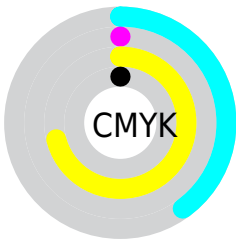
Distribution



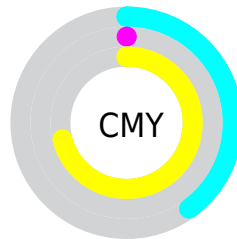
- Red (60%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (69%)



- Cyan (40%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)




















- Cyan (40%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RYB color 74, 255, 176 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 74, 255, 176 by changing the saturation by 10% instead.

 74, 255, 176	 74, 255, 176
 255, 255, 255	 41, 226, 144
 132, 255, 174	 0, 197, 105
 161, 255, 173	 0, 170, 111
 190, 255, 190	 0, 143, 134
 219, 255, 219	 0, 116, 116
 249, 255, 249	 0, 90, 90
	 0, 66, 66
	 0, 43, 43
	 0, 8, 8

■ 74, 255, 176

■ 74, 255, 176

■ 49, 255, 165

■ 100, 255, 188

■ 23, 255, 154

■ 125, 255, 198

■ 0, 255, 144

■ 151, 255, 210

■ 176, 255, 221

■ 202, 255, 232

■ 227, 255, 243

253, 255, 254

255, 255, 255

Harmonies

Analogous

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



17, 250, 0



74, 255, 176



0, 157, 255

Triad

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



74, 255, 176



0, 128, 255



255, 138, 208

Complementary

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



74, 255, 176



176, 74, 255

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, 154, 255



74, 255, 176



0, 121, 255

Square

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



74, 255, 176



0, 128, 255



255, 194, 255



255, 178, 123

Rectangle

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



74, 255, 176



0, 136, 255



255, 194, 255



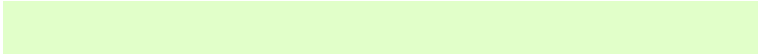
255, 139, 238

Sweetspot

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



74, 255, 176



201, 255, 231



221, 255, 74



96, 128, 114



0, 0, 0



128, 128, 128

Same Dimension

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



74, 255, 176



38, 255, 160



74, 246, 255



115, 128, 123



0, 191, 108



0, 64, 36

Inverse Universe

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



176, 74, 255



160, 38, 255



255, 74, 246



122, 115, 128



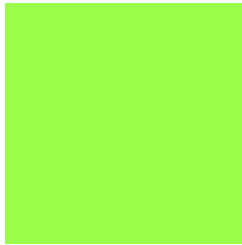
108, 0, 191



36, 0, 64

Previews

White Background



This preview shows how the RYB color 74, 255, 176 looks on a white background.

Color Contrast Check

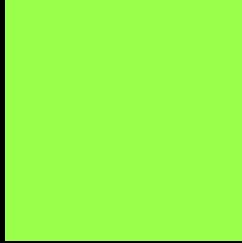
Large Text (above 18pt) WCAG AA × Fail

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 74, 255, 176 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 74, 255, 176 Background



This preview shows how black text looks on a background with the RYB color 74, 255, 176.

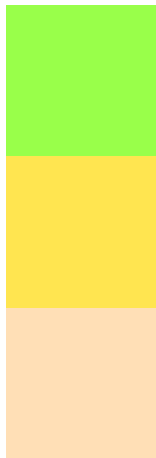


This preview shows how white text looks on a background with the RYB color 74, 255, 176.

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


74, 255, 176

Protanopia

111, 255, 80

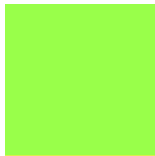
Deuteranopia

239, 255, 182



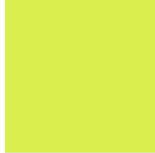
Tritanopia
185, 215, 255

Trichromacy



Original Color

74, 255, 176



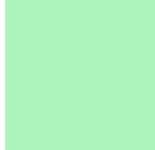
Protanomaly

78, 238, 98



Deuteranomaly

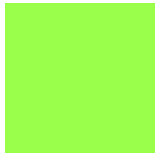
143, 235, 160



Tritanomaly

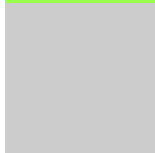
173, 231, 244

Monochromacy



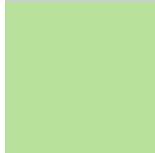
Original Color

74, 255, 176



Achromatopsia

204, 204, 204



Achromatomaly

157, 223, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 74, 255, 176 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(153, 255, 74)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 74)  
}
```

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(153, 255, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 74) }
```

Border

The CSS property to change the border of an element to RYB 74, 255, 176 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(153, 255, 74) }
```

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

```
.border{ border-color:rgb(153, 255, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 74);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
74) }
```

Background

The CSS property to change the background color of an element to RYB 74, 255, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 74) }
```

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

```
.background{ background-color: rgb(153,  
255, 74) }
```

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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