

Converting Colors

`RYB(77, 244, 165)`

Have a look what the booklet for
RYB(77, 244, 165) contains.

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Color

RYB(77, 244, 165)

Conversions

Conversions Part 1

Format	Color
Hex	9CF44D
RGB	156, 244, 77
RGB Percent	61%, 96%, 30%
CMY	0.3882, 0.0431, 0.6980
CMYK	0.36, 0.00, 0.68, 0.04
HSL	92°, 88%, 63%
HSV	92°, 68%, 96%
XYZ	47.4005, 72.3051, 18.4792
YIQ	198.6500, 1.1590, -70.5930

Conversions

Conversions Part 2

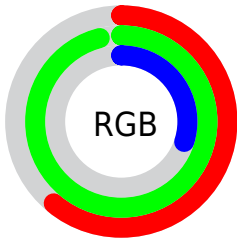
Format	Color
RYB	77, 244, 165
Decimal	10286157
CIELab	88.12, -52.26, 68.78
CIELCh	88, 86.383, 127.232
Yxy	72.3051, 0.3430, 0.5232
Android (android.graphics.Color)	4288476237 (0xFF9CF44D)
YUV	198.6500, -59.9734, -37.4040
Hunter-Lab	85.0324, -49.3035, 46.6378

Details

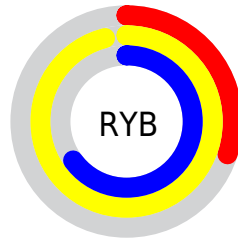
The RYB color **77, 244, 165** is a light color, and the websafe version is hex **99FF66**. The color can be described as light washed chartreuse. A complement of this color would be **165, 77, 244**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **134, 255, 174**, and **0, 187, 90** is the 20% darker color. If you saturate the color by 10%, you get **53, 244, 154**, and if you desaturate by 10%, it is **101, 244, 176**.

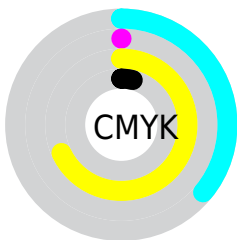
Distribution



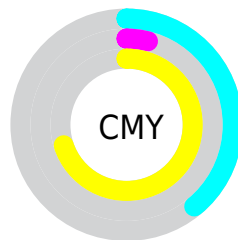
- Red (61%)
- Green (96%)
- Blue (30%)



- Red (30%)
- Yellow (96%)
- Blue (65%)



- Cyan (36%)
- Magenta (0%)
- Yellow (68%)
- Black (4%)




















- Cyan (39%)
- Magenta (4%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 77, 244, 165 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 77, 244, 165 by changing the saturation by 10% instead.

 77, 244, 165	 77, 244, 165
 255, 255, 255	 46, 215, 134
 134, 255, 174	 0, 187, 90
 162, 255, 172	 0, 160, 94
 191, 255, 191	 0, 133, 103
 220, 255, 220	 0, 107, 107
 250, 255, 250	 0, 82, 82
	 0, 57, 57
	 0, 35, 35
	 0, 0, 0

 77, 244, 165

 77, 244, 165

 53, 244, 154

 101, 244, 176

 28, 244, 142

 126, 244, 188

 4, 244, 131

 150, 244, 199

 0, 244, 129

 175, 244, 212

 199, 244, 223

 223, 244, 234

 246, 244, 248

 255, 244, 255

Harmonies

Analogous

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



42, 244, 20



77, 244, 165



0, 159, 255

Triad

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



77, 244, 165



0, 125, 255



255, 139, 204

Complementary

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



77, 244, 165



165, 77, 244

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



77, 244, 165



34, 136, 255

Square

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



77, 244, 165



0, 128, 255



249, 190, 255



255, 170, 126

Rectangle

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



77, 244, 165



0, 140, 255



249, 190, 255



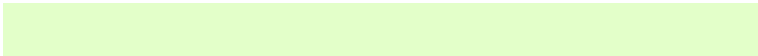
255, 140, 232

Sweetspot

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



77, 244, 165



201, 255, 229



234, 244, 77



96, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



77, 244, 165



46, 255, 156



77, 241, 244



110, 122, 116



0, 186, 98



0, 59, 31

Inverse Universe

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



165, 77, 244



156, 46, 255



244, 77, 241



117, 110, 122



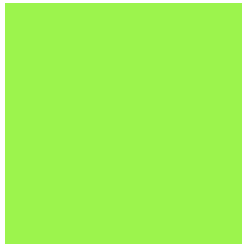
98, 0, 186



31, 0, 59

Previews

White Background



This preview shows how the RYB color 77, 244, 165 looks on a white background.

Color Contrast Check

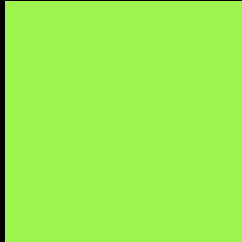
Large Text (above 18pt) WCAG AA × Fail

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 77, 244, 165 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 77, 244, 165 Background



This preview shows how black text looks on a background with the RYB color 77, 244, 165.

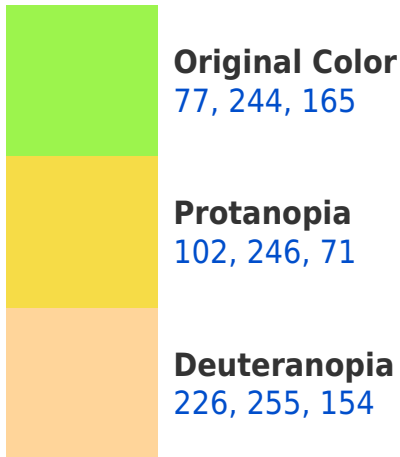


This preview shows how white text looks on a background with the RYB color 77, 244, 165.

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





Tritanopia
180, 208, 246

Trichromacy



Original Color

77, 244, 165



Protanomaly

73, 229, 89



Deuteranomaly

126, 224, 131



Tritanomaly

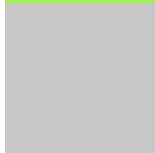
171, 223, 234

Monochromacy



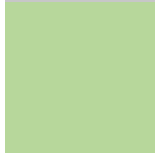
Original Color

77, 244, 165



Achromatopsia

199, 199, 199



Achromatomaly

155, 215, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 77, 244, 165 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(156, 244, 77)` looks like.

```
.text, #text, p{  
    color:rgb(156, 244, 77)  
}
```

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(156, 244, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 244, 77) }
```

Border

The CSS property to change the border of an element to RYB 77, 244, 165 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(156, 244, 77) }
```

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

```
.border{ border-color:rgb(156, 244, 77) }
```

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

Here you see how a box with a 4 pixel rgb(156, 244, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 244, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 244, 77);  
box-shadow:4px 4px 4px 4px rgb(156, 244,  
77) }
```

Background

The CSS property to change the background color of an element to RYB 77, 244, 165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 244, 77) }
```

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

```
.background{ background-color: rgb(156,  
244, 77) }
```

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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